AHSC 5N01 FAHS Grad Library Resource Session #2 Fall 2024

Ian Gordon

Ian Gordon, Teaching & Learning Librarian

Brock University Library

Library Resource Session #2 Agenda

- Strategies to remain current
- How to be a better researcher
- How to be a better writer
- Brock Library key contacts
- Where, how and when to get help!
- Questions?

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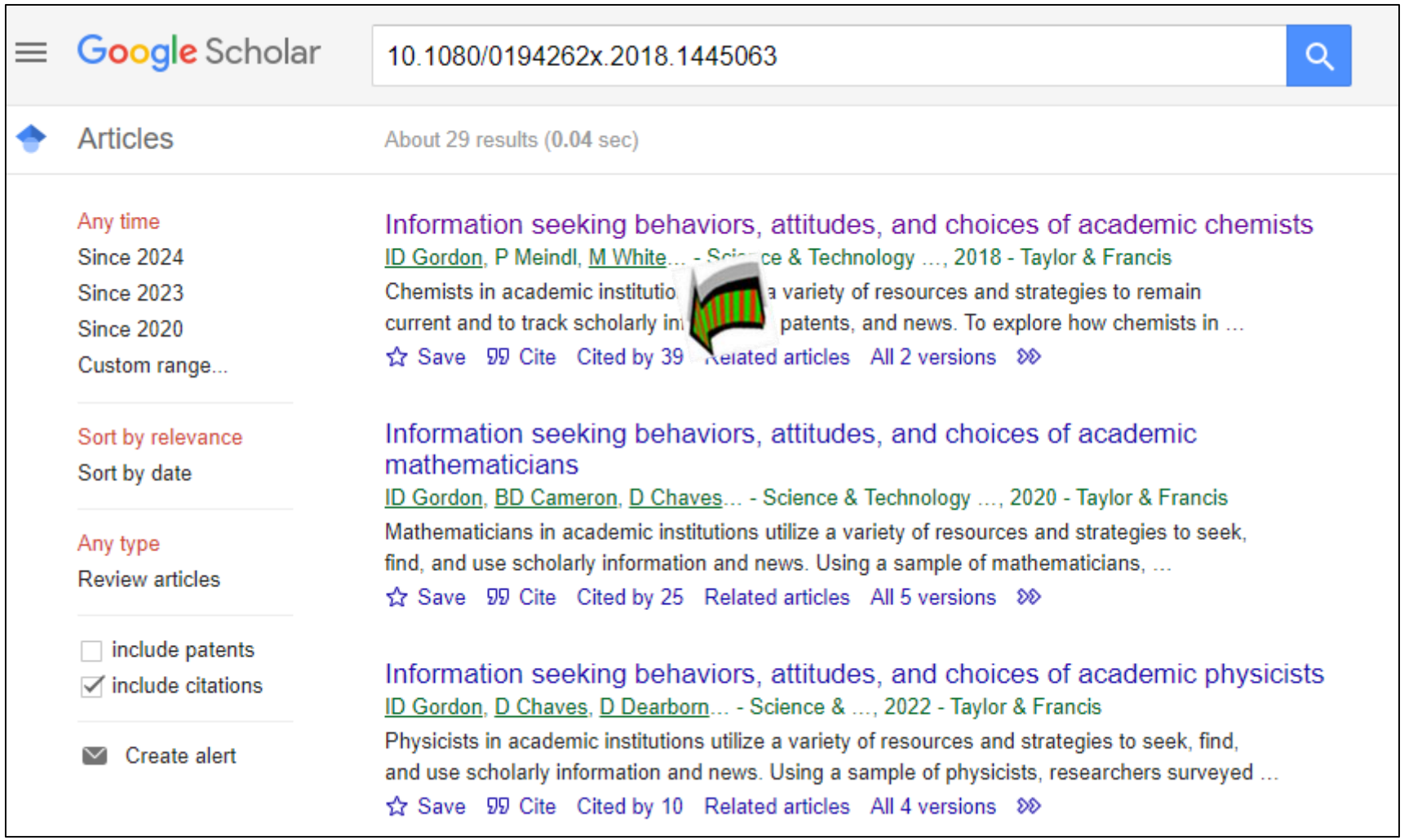
Strategies,

- Check out “forward citing” searches for new cited references for individual publications.
  Google Scholar, Web of Science, Semantic Scholar, Dimensions…

- Run “alerts” on individual databases to get citations by email as they are available.
  Your need to have a profile for each database you want an alert created…
  Most databases do this, Google Scholar Alerts, Web of Science…
  Alerts based on individual citations, saved searches, topics, authors…

- Set up RSS feeds for journals’ tables of contents.

- Ask colleagues what they do, have a shared Zotero Group account, search for ideas…


Google Scholar
10.1080/0194262x.2018.1445063
Articles
About 29 results (0.04 sec)
Any time
Since 2024
Since 2023
Since 2020
Custom range...
Sort by relevance
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Any type
Review articles
include patents
include citations
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Information seeking behaviors, attitudes, and choices of academic chemists
ID Gordon, P Meindl, M White... - Science & Technology ..., 2018 - Taylor & Francis
Chemists in academic institutio a variety of resources and strategies to remain current and to track scholarly in patents, and news. To explore how chemists in ...
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Information seeking behaviors, attitudes, and choices of academic mathematicians
ID Gordon, BD Cameron, D Chaves... - Science & Technology ..., 2020 - Taylor & Francis
Mathematicians in academic institutions utilize a variety of resources and strategies to seek, find, and use scholarly information and news. Using a sample of mathematicians, ...
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Information seeking behaviors, attitudes, and choices of academic physicists
ID Gordon, D Chaves, D Dearborn... - Science & ..., 2022 - Taylor & Francis
Physicists in academic institutions utilize a variety of resources and strategies to seek, find, and use scholarly information and news. Using a sample of physicists, researchers surveyed ...
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1 result from All Databases for:

Analyze Results | Citation Report | Create Alert

10.1080/0194262X.2020.1758284 (DOI)

Search

Add Keywords

Refined By: NOT Database: Preprint Citation Index ✕ Clear all

Publications | You may also like...

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Refine results

Search within topic...

Quick Filters

Open Access 1

Publication Years

2020 1

0/1 Add To Marked List Export Sort by: Relevance 1 of 1

1

Information Seeking Behaviors, Attitudes, and Choices of Academic Mathematicians

Gordon, Ian D.; Cameron, Brian D.; (...); Hutchinson, Rebecca

Jul 2 2020 | Science & Technology Libraries 39 (3) , pp.253-280

Mathematicians in academic institutions utilize a variety of resources and strategies to seek, find, and use scholarly information and news. Using a sample of mathematicians, researchers surveyed 112 students and faculty at four Canadian university institutions to explore self-perceived success rates, resources consulted, databases used, use of social media, and citation management systems. Fur ... Show more

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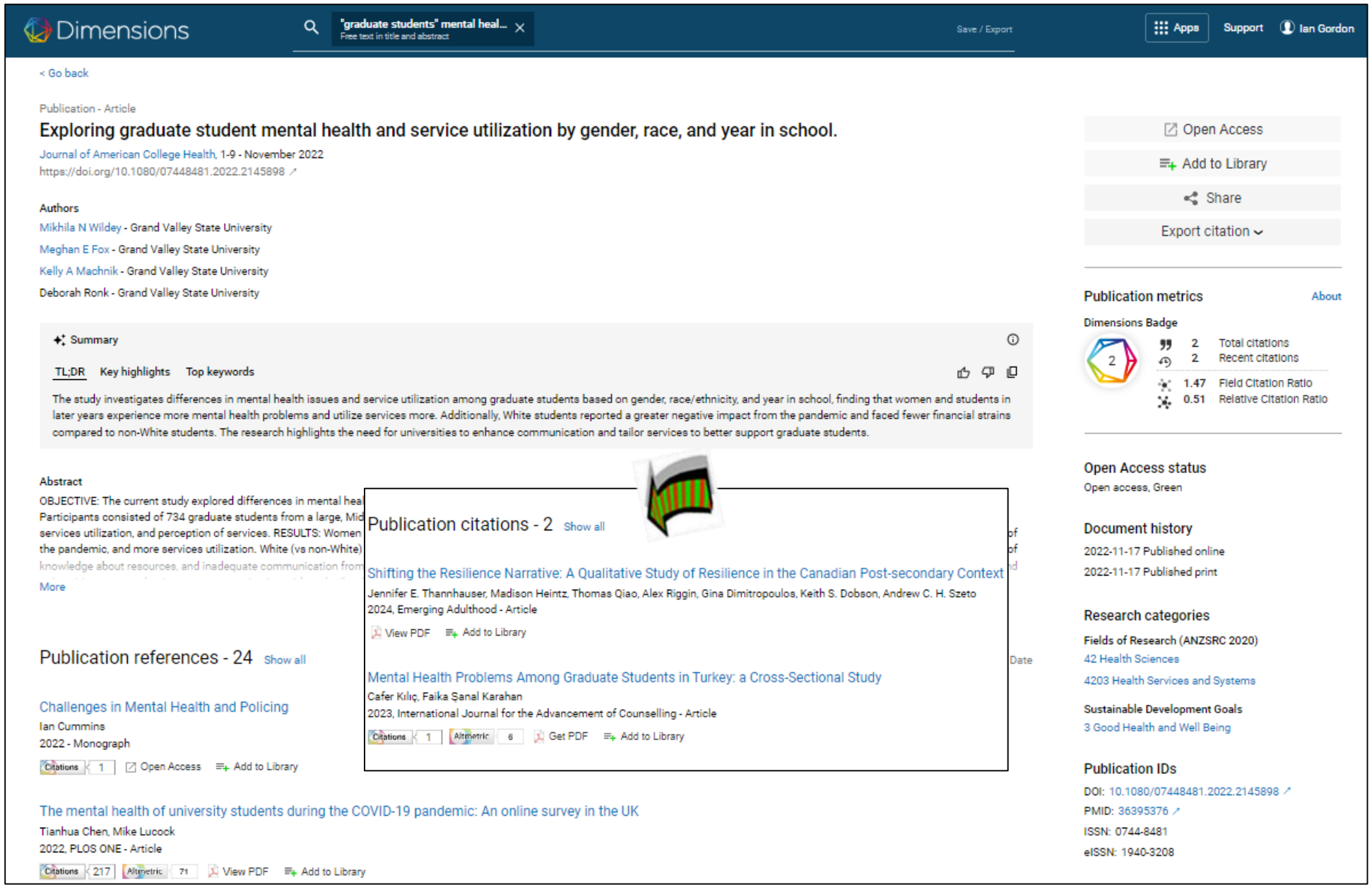
7 Citations

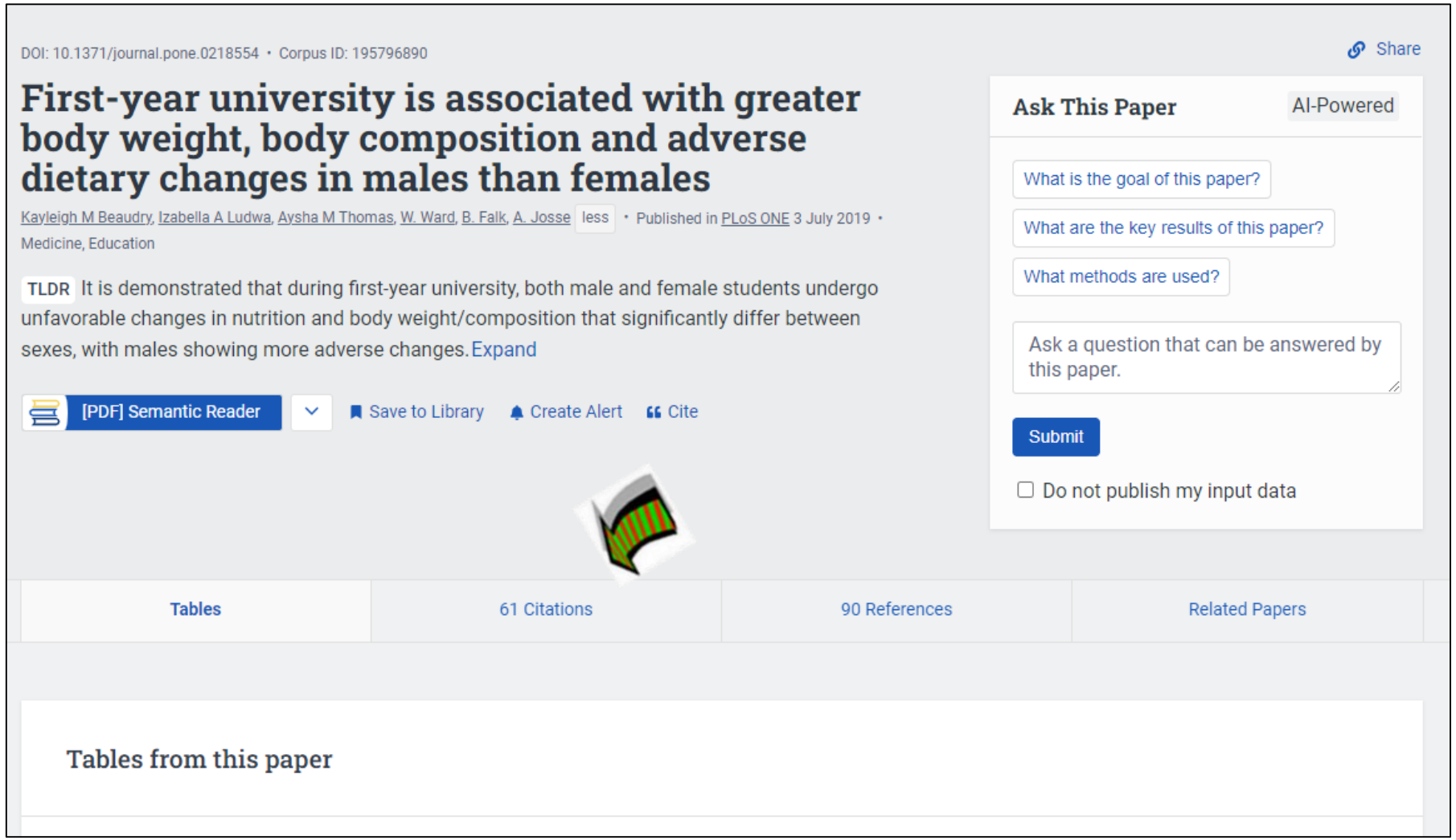
64 References

Related records

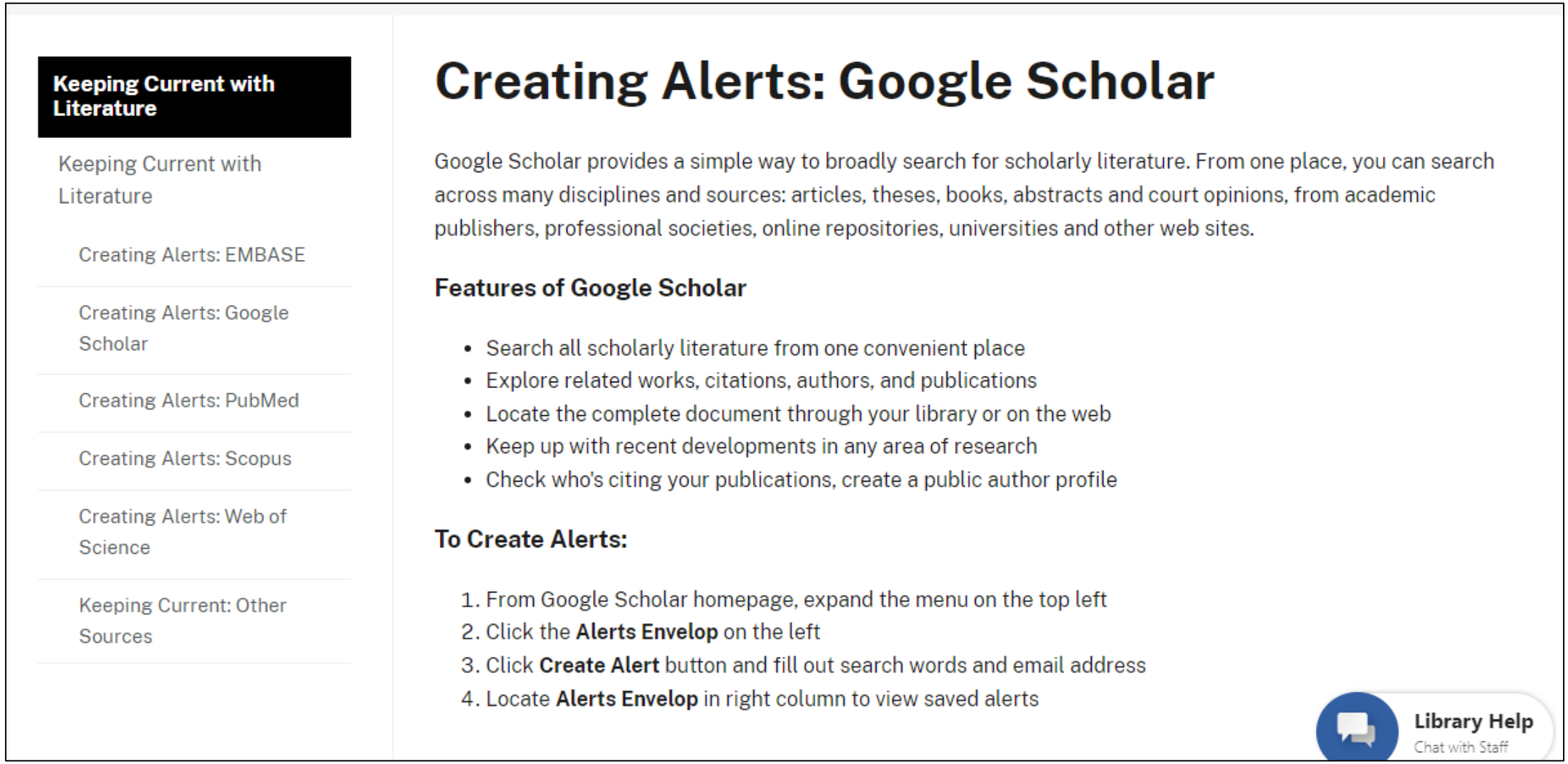
https://app.dimensions.ai/



https://www.semanticscholar.org/



https://www.nihlibrary.nih.gov/resources/subject-guides/keeping-current/creating-alerts-google-scholar



Google Scholar

Review affiliation
Help colleagues find you.
REVIEW

Add photo
Complete your profile.
ADD

Add co-authors
We have co-authors suggestions.
ADD

Ian D Gordon

FOLLOW

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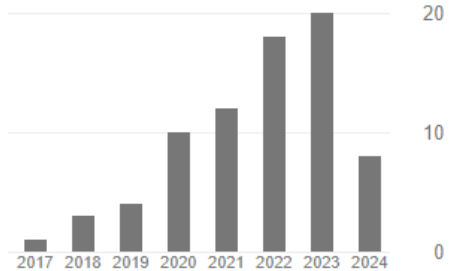
libraries chemistry information physics mathematics

TITLE	CITED BY	YEAR
Information seeking behaviors, attitudes, and choices of academic chemists ID Gordon, P Meindl, M White, K Szigeti Science & Technology Libraries 37 (2), 130-151	39	2018
Information seeking behaviors, attitudes, and choices of academic mathematicians ID Gordon, BD Cameron, D Chaves, R Hutchinson Science & Technology Libraries 39 (3), 253-280	25	2020
Information seeking behaviors, attitudes, and choices of academic physicists ID Gordon, D Chaves, D Dearborn, S Hendrikx, R Hutchinson, ... Science & Technology Libraries 41 (3), 288-318	10	2022
THE WAY I SEE IT: Asserting our collection development roles ID Gordon College & Research Libraries News 61 (8), 687-690	4	2000

Cited by VIEW ALL

	All	Since 2019
Citations	84	73
h-index	4	3
i10-index	3	3



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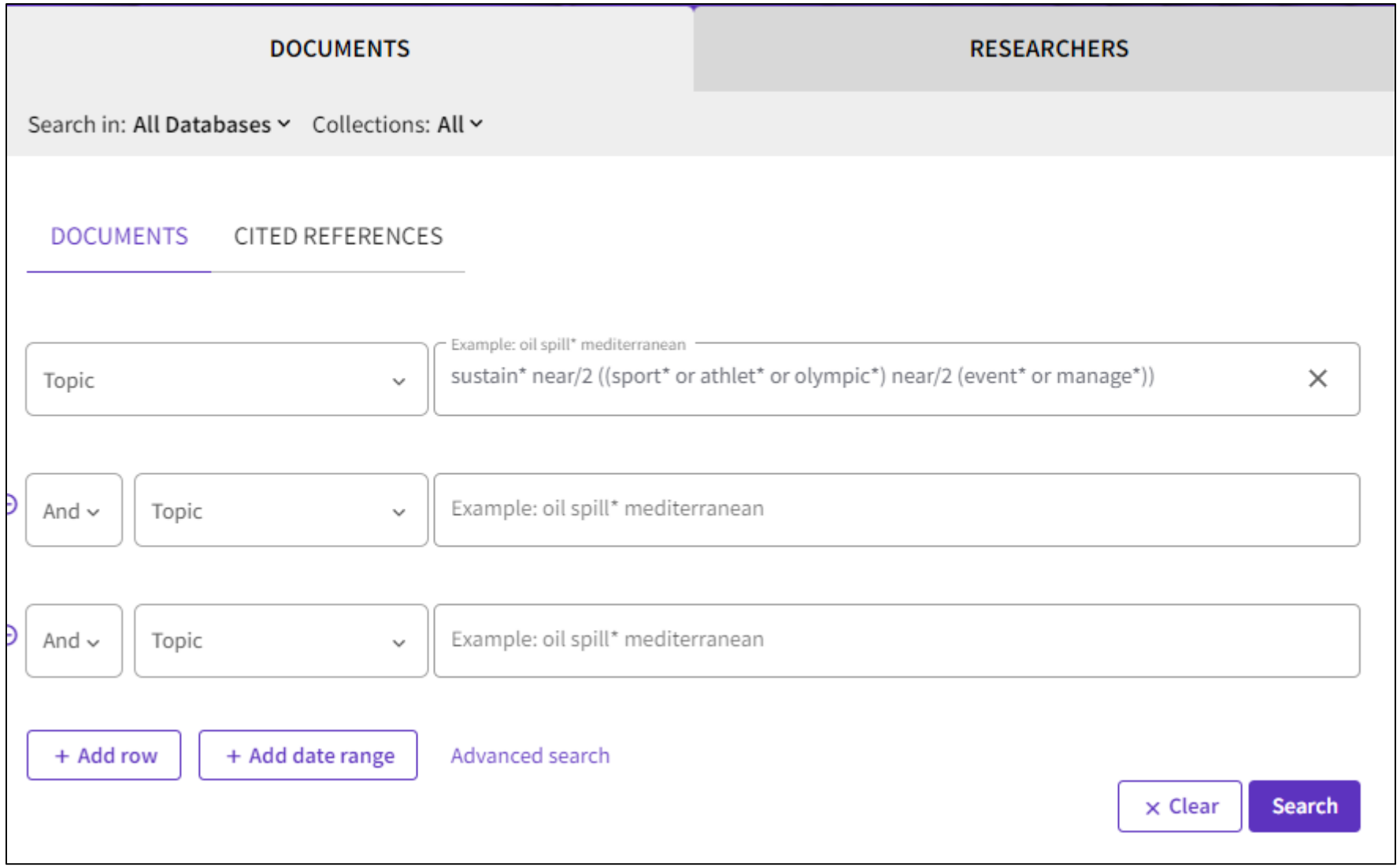

167 results from All Databases for:

Analyze Results | Citation Report | Create Alert

sustain* near/2 ((sport* or athlet* or olympic*) near/2 (event* or manage*)) (Topic)

Search

Add Keywords | Quick add keywords: + SPORTING EVENT | + SPORT EVENTS | + SPORT TOURISM | + SPORT MANAGEMENT | + RESIDENTS PERCEPTIONS | + L

Refined By: NOT Database: Preprint Citation Index ✕ Clear all

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Refine results

Search within topic...

Quick Filters

- Review Article 18
- Open Access 75
- Associated Data 1

Publication Years

0/167 | Add To Marked List | Export | Sort by: Usage (last 180 days): most first | 1 of 4

1

A Small-Scale Event and a Big Impact-Is This Relationship Possible in the World of Sport? The Meaning of Heritage Sporting Events for Sustainable Development of Tourism-Experiences from Poland

Malchrowicz-Mosko, E and Poczta, J

Nov 2018 | SUSTAINABILITY 10 (11)

The theoretical part of this article presents the meaning of sporting events for the tourism industry and the importance of sporting events at a small scale, as well as heritage sporting events for sustainable development of tourist destinations. The literature review shows that there is a clear research gap with respect to the analysis of economic a ... Show more

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43 Citations

59 References

Related records 13

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- Search alerts
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Keep up to date with information that matters to you by setting up search and citation alerts. You can stay informed about recently published research and see who is citing your work. When you create a citation alert, you receive an email whenever a new publication cites a previously published work.

Author name - ascending

1 of 1

Gordon, Ian D.. Information Seeking Behaviors, Attitudes, and Choices of Academic Mathematicians	6 Citations	Active	More options
Gordon, Ian D.. Information Seeking Behaviors, Attitudes, and Choices of Academic Chemists	11 Citations	Active	More options
Gordon, Ian D.. Information Seeking Behaviors, Attitudes, and Choices of Academic Physicists	5 Citations	Active	More options

Web of Science

Clarivate Logo

Greetings! You have a saved search alert.

View records

Your search, **"periodontal disease*"** (Topic) and **surgery or surgical or operat*** (Topic) and **pain* or headache* or "head ache*" or medicat*** (Topic) has 2 new records since Aug 15th 2024.

Showing 2 of the 2

Pain management in periodontal therapy using local anesthetics and other drugs: an integrative review

Journal Of Dental Anesthesia And Pain Medicine

Background: Surgical and non -surgical periodontal procedures often lead to postoperative pain. Clinicians use pharmacological methods such as anesthetics, anti-inflammatory drugs, and analgesics for relief. However, the multitude of ...

Precursor Radiographic Findings in Patients With Medication-Related Osteonecrosis of the Jaw

Journal Of Oral And Maxillofacial Surgery

Background: Oral surgical treatment, such as tooth extraction, has been identified as a risk factor for the onset of medication-related osteonecrosis of the jaw (MRONJ). However, MRONJ may already be latent, and its manifestation may ...

Showing 2 of the 2

View records

MN

My NCBI<efback@ncbi.nlm.nih.gov>

To: Ian Gordon

Reply Reply all Forward

This message contains My NCBI what's new results from the National Center for Biotechnology Information (NCBI) at the U.S. National Library of Medicine (NLM).
Do not reply directly to this message.

Sender's message: Brock University PubMed alert

Sent on Monday, 2024 July 01

Search: "brock university"

View complete results in PubMed (results may change over time).

Edit saved search settings, or unsubscribe from these email updates.

PubMed Results

Items 1-36 of 36 (Display the 36 citations in PubMed)

1. An electrophysiological investigation of referential communication.
   Dwivedi VD, Selvanayagam J.
   Brain Lang. 2024 Jun 28;254:105438. doi: 10.1016/j.bandl.2024.105438. Online ahead of print.
   PMID: 38943944

CAS SciFinder Alert Results for References

New research has been added!

Brock University (25)

The first 5 Results are listed. View Results in CAS SciFinder

RNA-based logic for selective protein expression in senescent cells

By: Jacobs, Ward; Khalifeh, Masoomeh; Koot, Merijn; Palacio-Castaneda, Valentina; van Oostrum, Jenny; Ansems, Marleen; Verdurmen, Wouter P. R.; Brock, Roland

International Journal of Biochemistry & Cell Biology (2024) | English

An expanded framework toward improving the detritylation reaction in solid-phase oligonucleotide syntheses - filling the gap

By: Li, Quanjian; Sanghvi, Yogesh S.; Yan, Hongbin

Nucleosides, Nucleotides & Nucleic Acids | English

Characterization of a vacuolar importer of secologanin in Catharanthus roseus

By: Li, Fanfan; Shahsavarani, Mohammadamin; Handy-Hart, Cody-Jordan; Cote, Audrey; Brasseur-Trottier, Xavier; Montgomery, Victoria; Beech, Robin N.; Liu, Lan; Bayen, Stephane; Qu, Yang; et al

Communications Biology (2024) | English

Native Characterization of Noncanonical Nucleic Acid Thermodynamics via Programmable Dynamic DNA Chemistry

By: Wu, Yuqin; Wang, Guan Alex; Yang, Qianfan; Li, Feng

Journal of the American Chemical Society (2024) | English

Estimates of the incidence, prevalence, and factors associated with common sexually transmitted infections among Lebanese women

By: Chemaitelly, Hiam; Finan, Ramzi R.; Racoubian, Eddie; Aimagambetova, Gulzhanat; Almawi, Wassim Y.

PLoS One (2024) | English

View Saved Items

Strategies,

- Check out “forward citing” searches for new cited references for individual publications.
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- Run “alerts” on individual databases to get citations by email as they are available.
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  Alerts based on individual citations, saved searches, topics, authors…

- Set up RSS feeds for journals’ tables of contents.

- Ask colleagues what they do, share Zotero citations, import/export RIS files…

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What is your research question(s)?

Is ADHD associated with increased risk of obesity in children?

https://www.ncbi.nlm.nih.gov/mesh

Attention Deficit Disorder with Hyperactivity

A behavior disorder originating in childhood in which the essential features are signs of developmentally inappropriate inattention, impulsivity, and hyperactivity. Although most individuals have symptoms of both inattention and hyperactivity-impulsivity, one or the other pattern may be predominant. The disorder is more frequent in males than females. Onset is in childhood. Symptoms often attenuate during late adolescence although a minority experience the full complement of symptoms into mid-adulthood. (From DSM-V)

Year introduced: 1984

Entry Terms:

- Attention Deficit Disorders with Hyperactivity
- ADHD
- Attention Deficit Hyperactivity Disorder
- Hyperkinetic Syndrome
- Syndromes, Hyperkinetic
- Attention Deficit-Hyperactivity Disorder
- Attention Deficit-Hyperactivity Disorders
- Deficit-Hyperactivity Disorder, Attention
- Deficit-Hyperactivity Disorders, Attention
- Disorder, Attention Deficit-Hyperactivity
- Disorders, Attention Deficit-Hyperactivity
- ADDH
- Attention Deficit Hyperactivity Disorders
- Attention Deficit Disorder
- Attention Deficit Disorders
- Deficit Disorder, Attention
- Deficit Disorders, Attention
- Disorder, Attention Deficit
- Disorders, Attention Deficit
- Brain Dysfunction, Minimal
- Dysfunction, Minimal Brain
- Minimal Brain Dysfunction

Previous Indexing:

- Brain Damage, Chronic (1966-1968)

All MeSH Categories
Psychiatry and Psychology Category
Mental Disorders
Neurodevelopmental Disorders
Attention Deficit and Disruptive Behavior Disorders
Attention Deficit Disorder with Hyperactivity

Child

A person 6 to 12 years of age. An individual 2 to 5 years old is CHILD, PRESCHOOL.

PubMed search builder options

☐ Restrict to MeSH Major Topic.

☐ Do not include MeSH terms found below this term in the MeSH hierarchy.

Tree Number(s): M01.060.406
MeSH Unique ID: D002648
Entry Terms:

- Children

See Also:

- Only Child
- Minors

All MeSH Categories
Persons Category
Persons
Age Groups
Child
Child, Preschool

Obesity

A status with BODY WEIGHT that is grossly above the recommended standards, usually due to accumulation of excess FATS in the body. The standards may vary with age, sex, genetic or cultural background. In the BODY MASS INDEX, a BMI greater than 30.0 kg/m2 is considered obese, and a BMI greater than 40.0 kg/m2 is considered morbidly obese (MORBID OBESITY).

PubMed search builder options

Subheadings:

- ☐ blood
- ☐ cerebrospinal fluid
- ☐ chemically induced
- ☐ classification
- ☐ complications
- ☐ congenital
- ☐ diagnosis
- ☐ diagnostic imaging
- ☐ diet therapy
- ☐ drug therapy
- ☐ economics
- ☐ embryology
- ☐ enzymology
- ☐ epidemiology
- ☐ ethnology
- ☐ etiology
- ☐ genetics
- ☐ history
- ☐ immunology
- ☐ metabolism
- ☐ microbiology
- ☐ mortality
- ☐ nursing
- ☐ parasitology
- ☐ pathology
- ☐ physiopathology
- ☐ prevention and control
- ☐ psychology
- ☐ radiotherapy
- ☐ rehabilitation
- ☐ surgery
- ☐ therapy
- ☐ urine
- ☐ veterinary
- ☐ virology

☐ Restrict to MeSH Major Topic.

☐ Do not include MeSH terms found below this term in the MeSH hierarchy.

See Also:

- Appetite Depressants
- Body Weight
- Diet, Reducing
- Skinfold Thickness
- Lipectomy
- Anti-Obesity Agents
- Bariatrics

All MeSH Categories
- Diseases Category
  - Nutritional and Metabolic Diseases
    - Nutrition Disorders
      - Overnutrition
        - Overweight
          - **Obesity**
            - Obesity Hypoventilation Syndrome
            - Obesity, Abdominal
            - Obesity, Maternal
            - Obesity, Metabolically Benign
            - Obesity, Morbid
            - Pediatric Obesity
            - Prader-Willi Syndrome

All MeSH Categories
- Diseases Category
  - Pathological Conditions, Signs and Symptoms
    - Signs and Symptoms
      - Body Weight
        - Overweight
          - **Obesity**
            - Obesity, Abdominal
            - Obesity, Maternal
            - Obesity, Metabolically Benign
            - Obesity, Morbid
            - Pediatric Obesity

Full ▾ Send to: ▾

Obesity

A status with BODY WEIGHT that is grossly above the recommended standards, usually due to accumulation of excess FATS in the body. The standards may vary with age, sex, genetic or cultural background. In the BODY MASS INDEX, a BMI greater than 30.0 kg/m2 is considered obese, and a BMI greater than 40.0 kg/m2 is considered morbidly obese (MORBID OBESITY).

PubMed search builder options

Subheadings:

- ☐ blood
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- ☐ complications
- ☐ congenital
- ☐ diagnosis
- ☐ diagnostic imaging
- ☐ diet therapy
- ☐ drug therapy
- ☐ economics
- ☐ embryology
- ☐ enzymology
- ☐ epidemiology
- ☐ ethnology
- ☐ etiology
- ☐ genetics
- ☐ history
- ☐ immunology
- ☐ metabolism
- ☐ microbiology
- ☐ mortality
- ☐ nursing
- ☐ parasitology
- ☐ pathology
- ☐ physiopathology
- ☐ prevention and control
- ☐ psychology
- ☐ radiotherapy
- ☐ rehabilitation
- ☐ surgery
- ☐ therapy
- ☐ urine
- ☐ veterinary
- ☐ virology

☑ Restrict to MeSH Major Topic.

☐ Do not include MeSH terms found below this term in the MeSH hierarchy.

PubMed Search Builder

"Obesity"[Mesh]

Add to search builder AND ▾

Search PubMed

YouTube Tutorial

Related information

PubMed

PubMed - Major Topic

Clinical Queries

NLM MeSH Browser

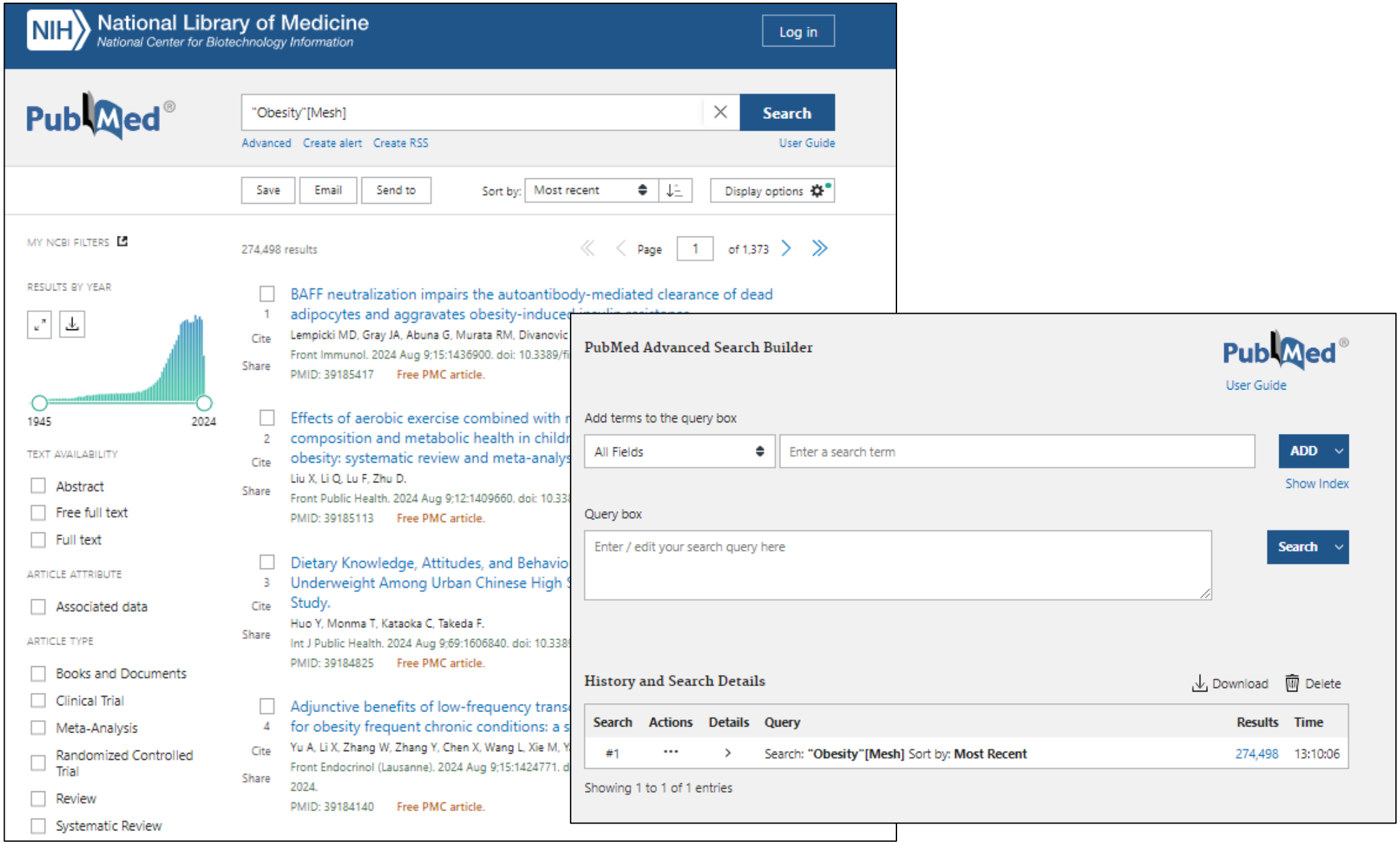
dbGaP Links

MedGen

Recent Activity

Turn Off Clear

Obesity


National Library of Medicine
National Center for Biotechnology Information
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PubMed
"Obesity"[Mesh]
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Create alert
Create RSS
User Guide
Save
Email
Send to
Sort by: Most recent
Display options
MY NCBI FILTERS
274,498 results
Page 1 of 1,373
RESULTS BY YEAR
1945
2024
TEXT AVAILABILITY
Abstract
Free full text
Full text
ARTICLE ATTRIBUTE
Associated data
ARTICLE TYPE
Books and Documents
Clinical Trial
Meta-Analysis
Randomized Controlled Trial
Review
Systematic Review
1
Cite
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BAFF neutralization impairs the autoantibody-mediated clearance of dead adipocytes and aggravates obesity-induced
Lempicki MD, Gray JA, Abuna G, Murata RM, Divanovic
Front Immunol. 2024 Aug 9;15:1436900. doi: 10.3389/fi
PMID: 39185417
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2
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Effects of aerobic exercise combined with r
composition and metabolic health in childr
obesity: systematic review and meta-analys
Liu X, Li Q, Lu F, Zhu D.
Front Public Health. 2024 Aug 9;12:1409660. doi: 10.33
PMID: 39185113
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3
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Dietary Knowledge, Attitudes, and Behavio
Underweight Among Urban Chinese High S
Study.
Huo Y, Monma T, Kataoka C, Takeda F.
Int J Public Health. 2024 Aug 9;69:1606840. doi: 10.338
PMID: 39184825
Free PMC article.
4
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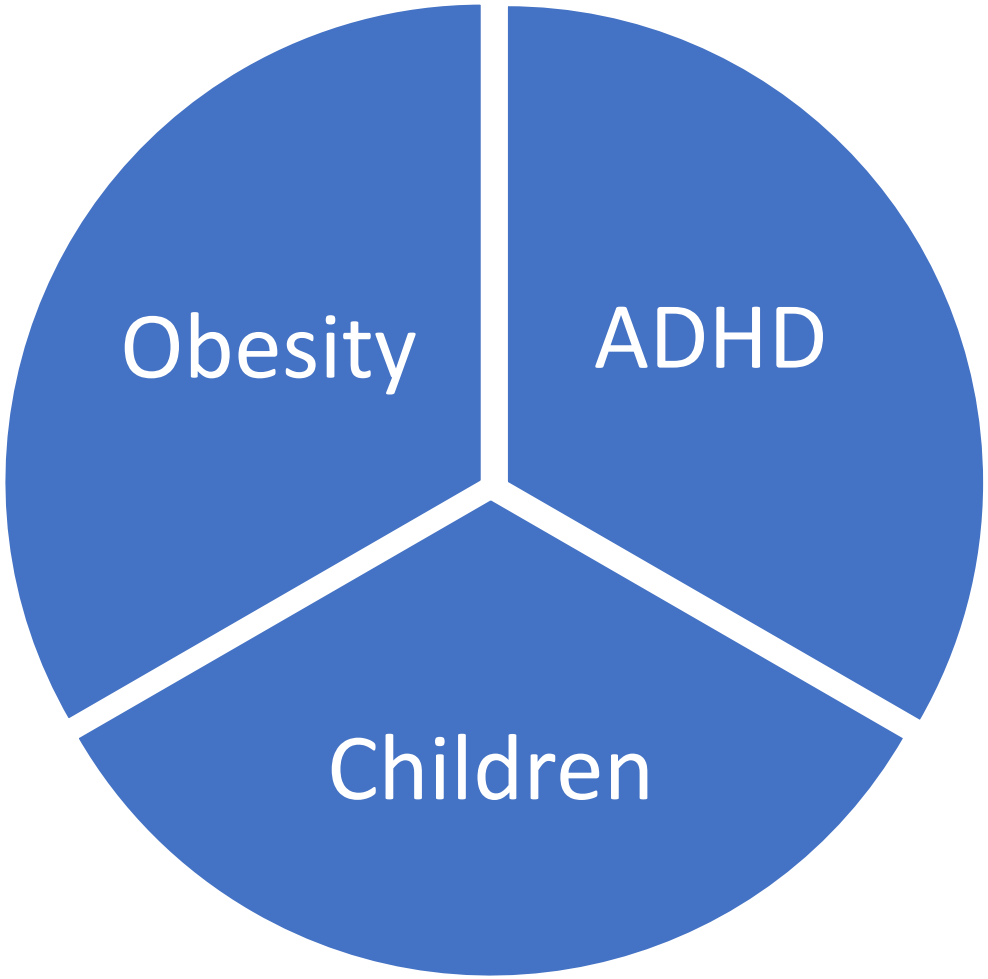
Adjunctive benefits of low-frequency trans
for obesity frequent chronic conditions: a s
Yu A, Li X, Zhang W, Zhang Y, Chen X, Wang L, Xie M, Y
Front Endocrinol (Lausanne). 2024 Aug 9;15:1424771. d
2024.
PMID: 39184140
Free PMC article.
PubMed Advanced Search Builder
PubMed
User Guide
Add terms to the query box
All Fields
Enter a search term
ADD
Show Index
Query box
Enter / edit your search query here
Search
History and Search Details
Download
Delete
Search
Actions
Details
Query
Results
Time
#1
Search: "Obesity"[Mesh] Sort by: Most Recent
274,498
13:10:06
Showing 1 to 1 of 1 entries

Is ADHD associated with increased risk of obesity in children?

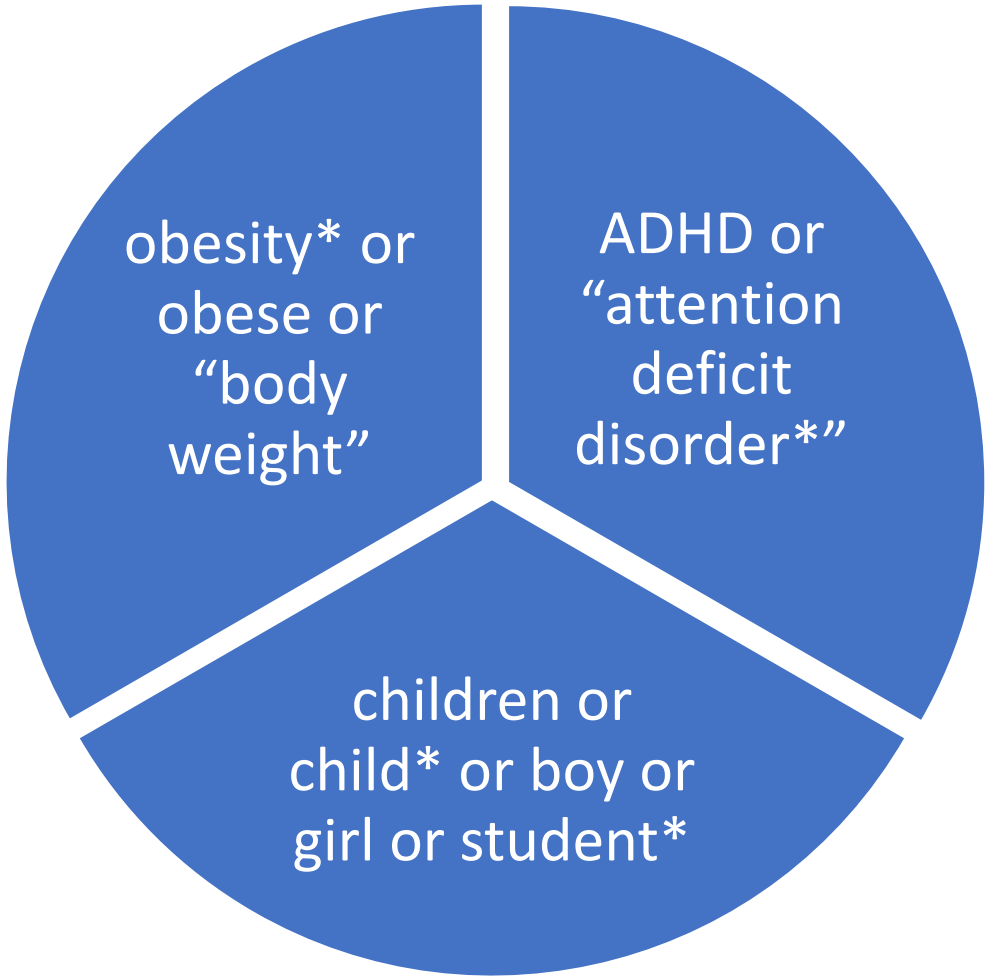
https://www.wordhippo.com/

Is ADHD associated with increased risk of obesity in children?



Databases
Currency of information
Language
Discipline
Format

Is ADHD associated with increased risk of obesity in children?



Databases:

MEDLINE, Embase, Web of Science Core, CINAHL, PsycINFO, Scopus…

Currency of information: 2000+
Language: English
Discipline: Health/Physiology
Format: Scholarly articles

zoterobib

Zotero

Is ADHD associated with increased risk of obesity in children?

obesity* or obese or “body weight” or overweight or…

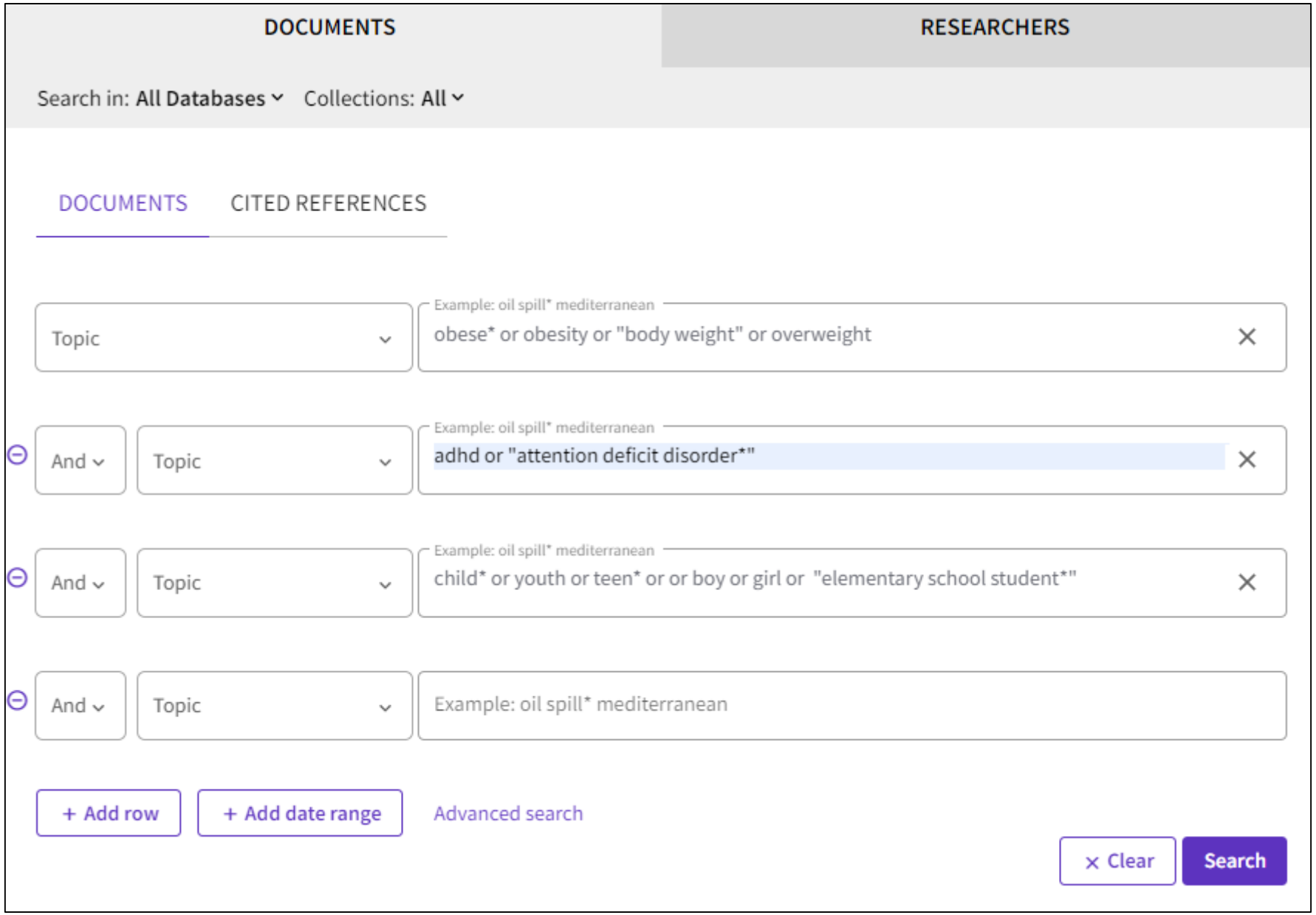
AND

ADHD or “attention deficit disorder*” or…

AND

child* or youth or boy or girl or teen* or “elementary school student*”…

risk / associated / increased


DOCUMENTS
RESEARCHERS
Search in: All Databases
Collections: All
DOCUMENTS
CITED REFERENCES
Topic
Example: oil spill* mediterranean
obese* or obesity or "body weight" or overweight
And
Topic
Example: oil spill* mediterranean
adhd or "attention deficit disorder*"
And
Topic
Example: oil spill* mediterranean
child* or youth or teen* or or boy or girl or "elementary school student*"
And
Topic
Example: oil spill* mediterranean
+ Add row
+ Add date range
Advanced search
× Clear
Search

614 results from All Databases for:

Analyze Results | Citation Report | Create Alert

obese* or obese or "body weight" or overweight (Topic) and **ADHD or "attention deficit disorder"** (Topic) and **child* or youth or boy or girl or teen* or "elementary school student*"** (Topic)

Search

Add Keywords | Quick add keywords: + D METHYLPHENIDATE | + ADDICTIVE LIKE EATING | + OROS METHYLPHENIDATE | + D L METHYLPHENIDATE | + DEXMETHYLPHENIDATE | + AD

Refined By: NOT Database: Preprint Citation Index | Document Types: Article | Publication Years: 2024 or 2022 or 2023 or 2021 or 2020 or 2019 or 2018 or 2017 or 2016 or 2015 or 2014 or 2013 or 2012 or 2011 or 2009 or 2010 or 2008 or 2007 or 2006 or 2005 or 2004 or 2003 or 2002 or 2001 | Languages: English

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Publications | You may also like...

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- Highly Cited Papers 5
- Review Article 84
- Open Access 312
- Associated Data 10

0/614 | Add To Marked List | Export | Sort by: Citations: highest first | 1 of 13

1 **Childhood Obesity: A Review of Increased Risk for Physical and Psychological Comorbidities**

Pulgarón, ER

Jan 2013 | CLINICAL THERAPEUTICS 35 (1) , pp.A18-A32

Background: Worldwide estimates of childhood overweight and obesity are as high as 43 million, and rates continue to increase each year. Researchers have taken interest in the childhood obesity epidemic and the impact of this condition across health domains. The consequences of childhood and adolescent obesity are extensive, including both medical and psychosocial comorbidities. ... Show more

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548 Citations

115 References

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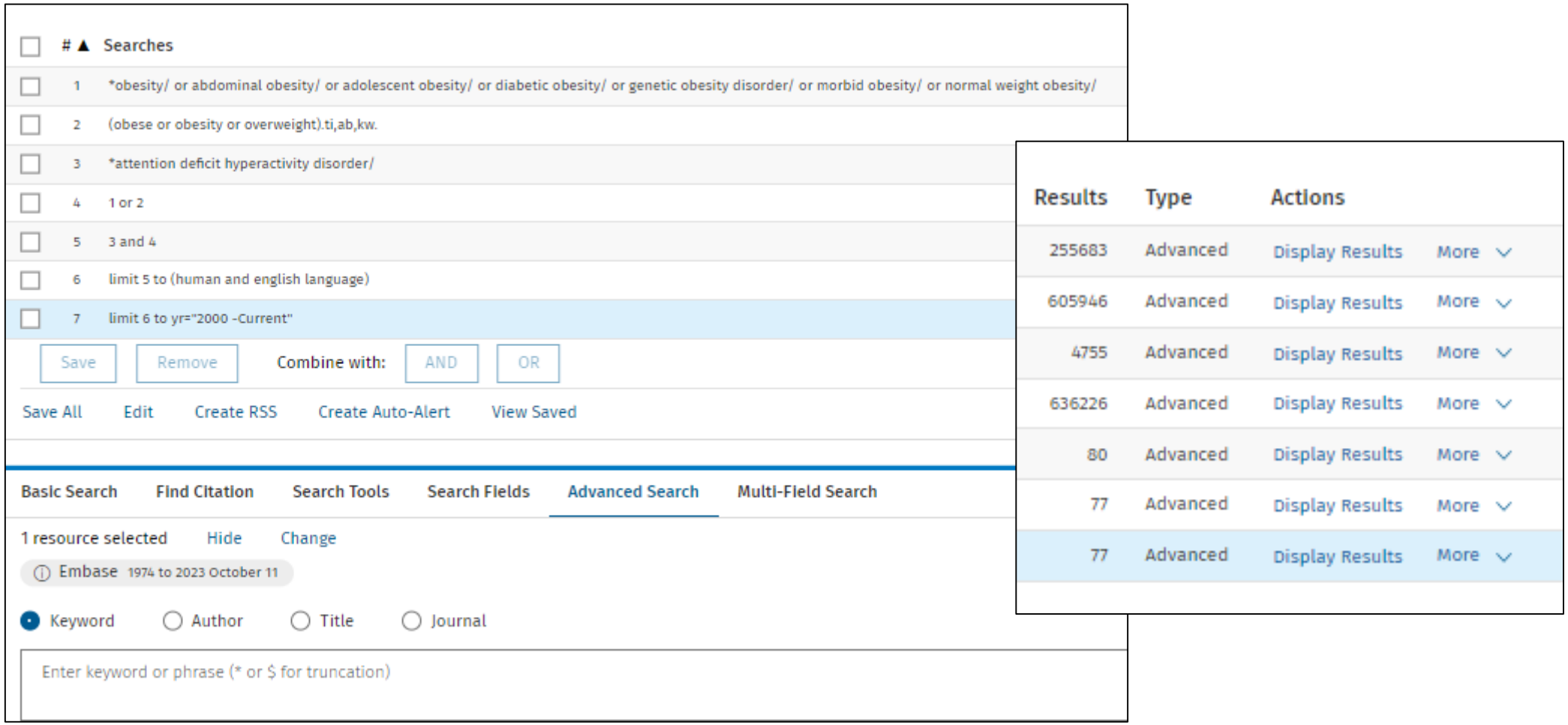

# ▲	Searches
1	*obesity/ or abdominal obesity/ or adolescent obesity/ or diabetic obesity/ or genetic obesity disorder/ or morbid obesity/ or normal weight obesity/
2	(obese or obesity or overweight).ti,ab,kw.
3	*attention deficit hyperactivity disorder/
4	1 or 2
5	3 and 4
6	limit 5 to (human and english language)
7	limit 6 to yr="2000 -Current"

Save | Remove | Combine with: AND | OR

Save All | Edit | Create RSS | Create Auto-Alert | View Saved

Basic Search | Find Citation | Search Tools | Search Fields | Advanced Search | Multi-Field Search

1 resource selected Hide Change

Embase 1974 to 2023 October 11

Keyword | Author | Title | Journal

Enter keyword or phrase (* or $ for truncation)

Results	Type	Actions
255683	Advanced	Display Results More
605946	Advanced	Display Results More
4755	Advanced	Display Results More
636226	Advanced	Display Results More
80	Advanced	Display Results More
77	Advanced	Display Results More
77	Advanced	Display Results More

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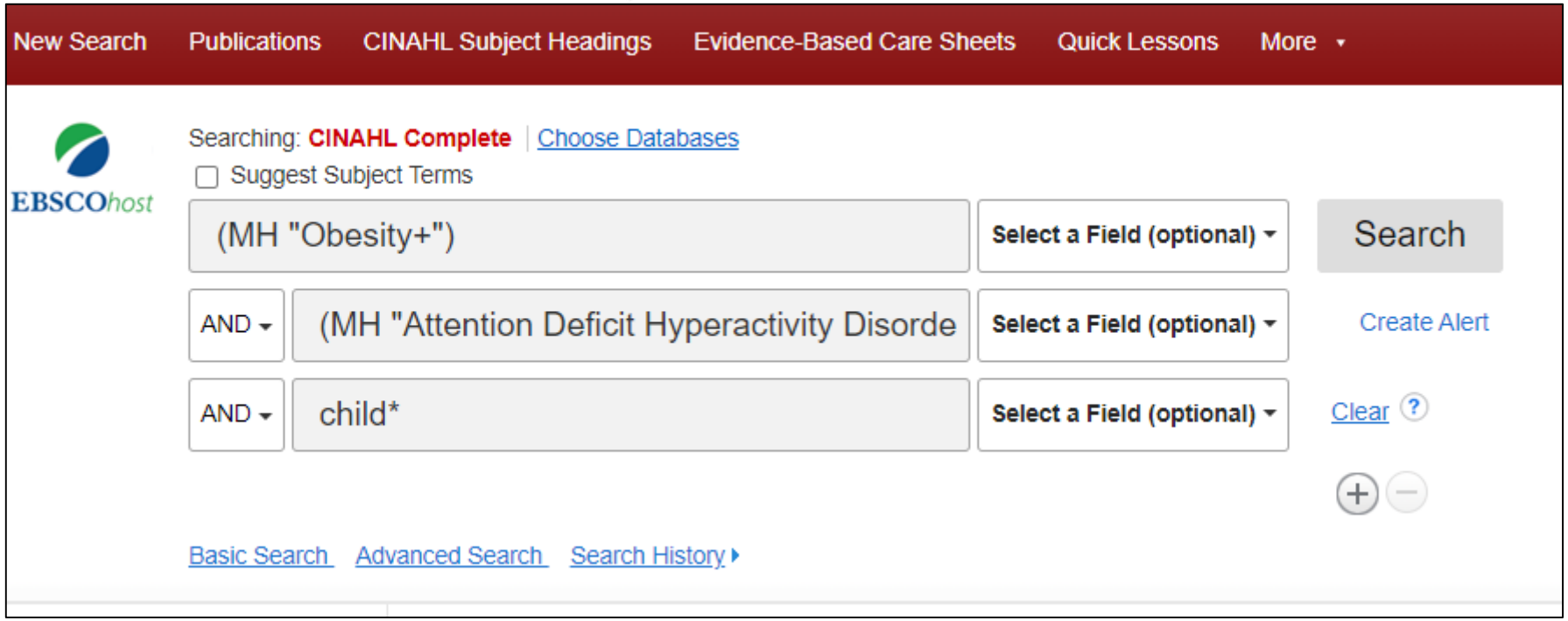
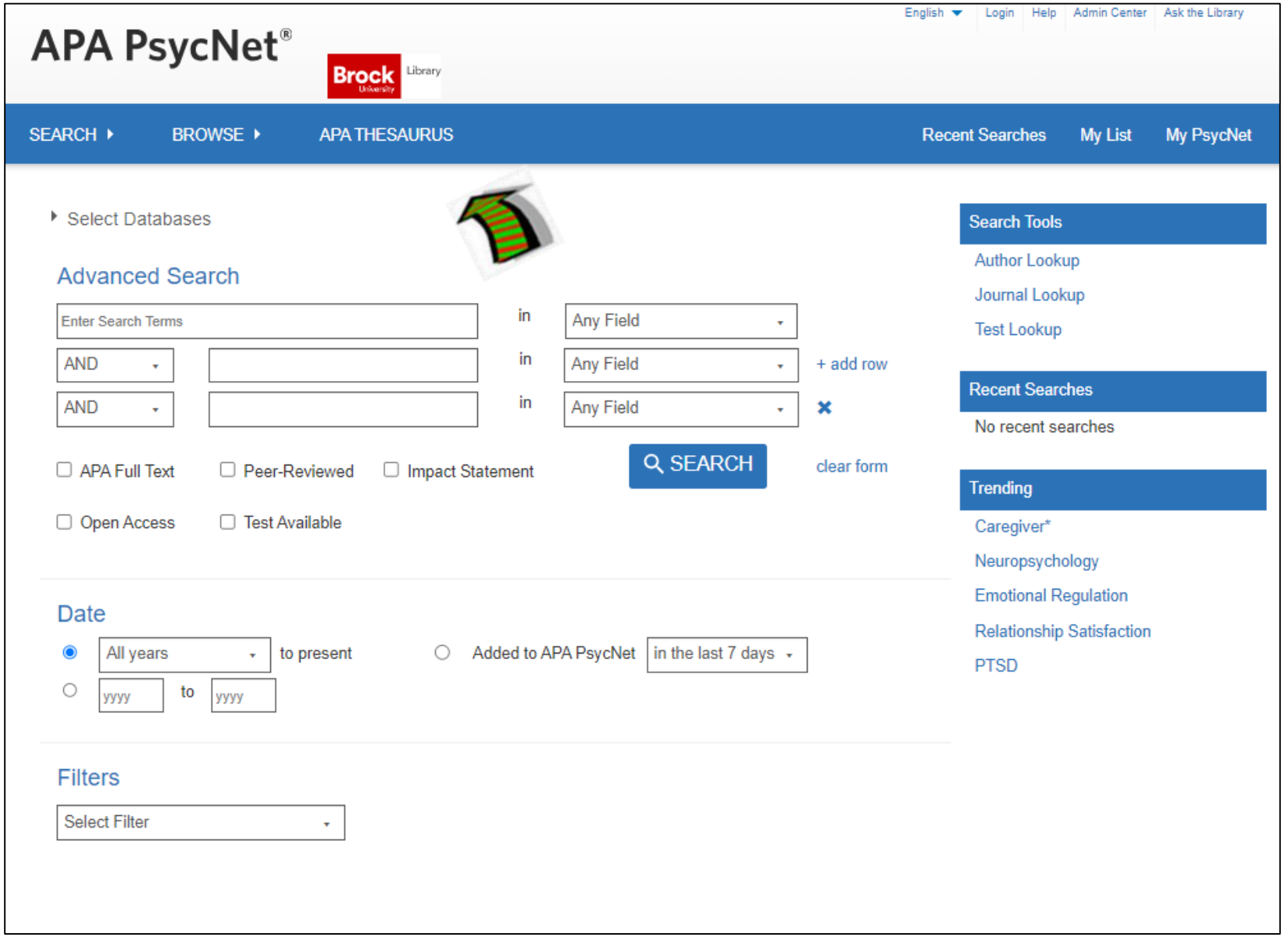
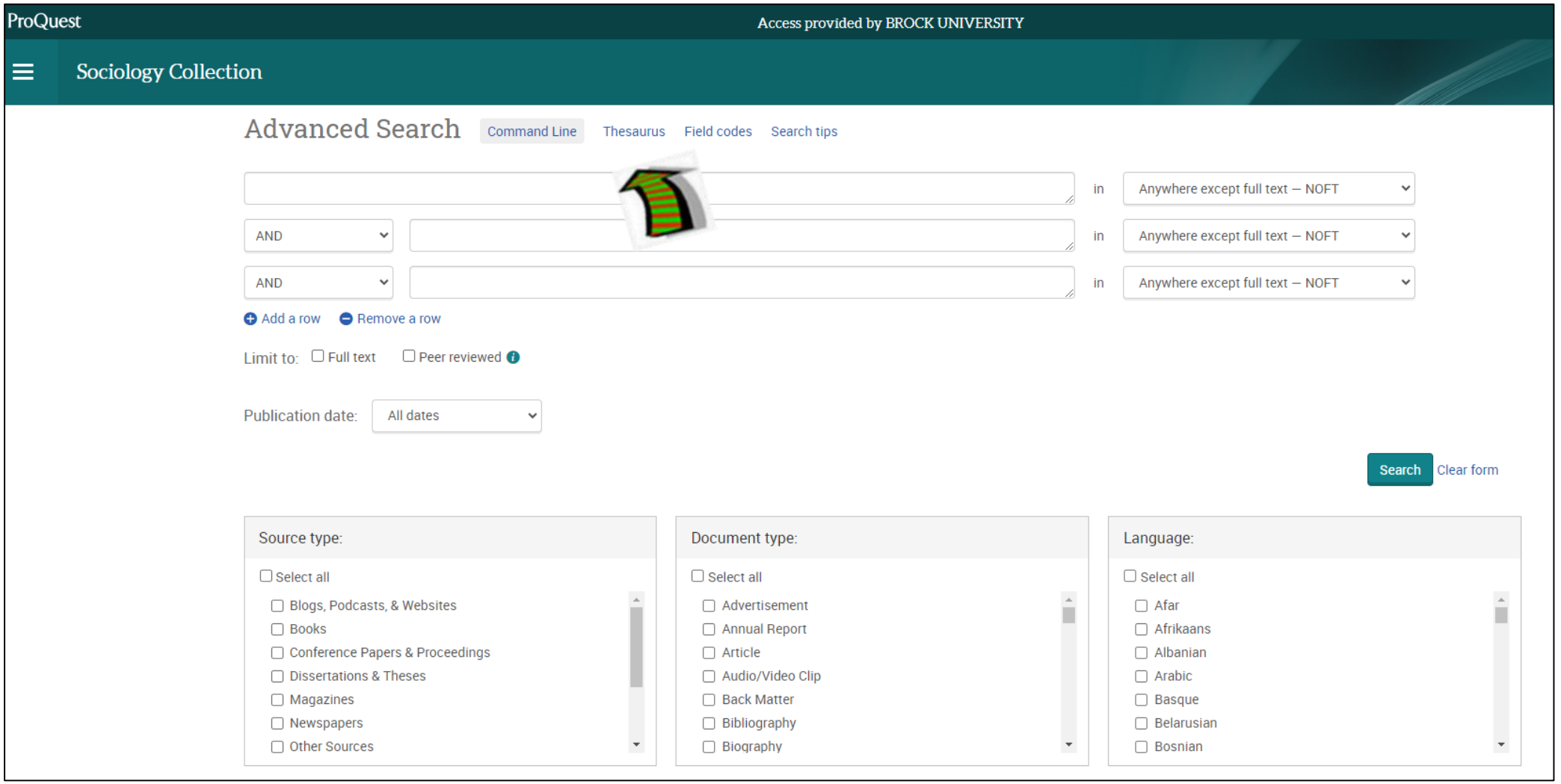


Limited by age, source type, language and date

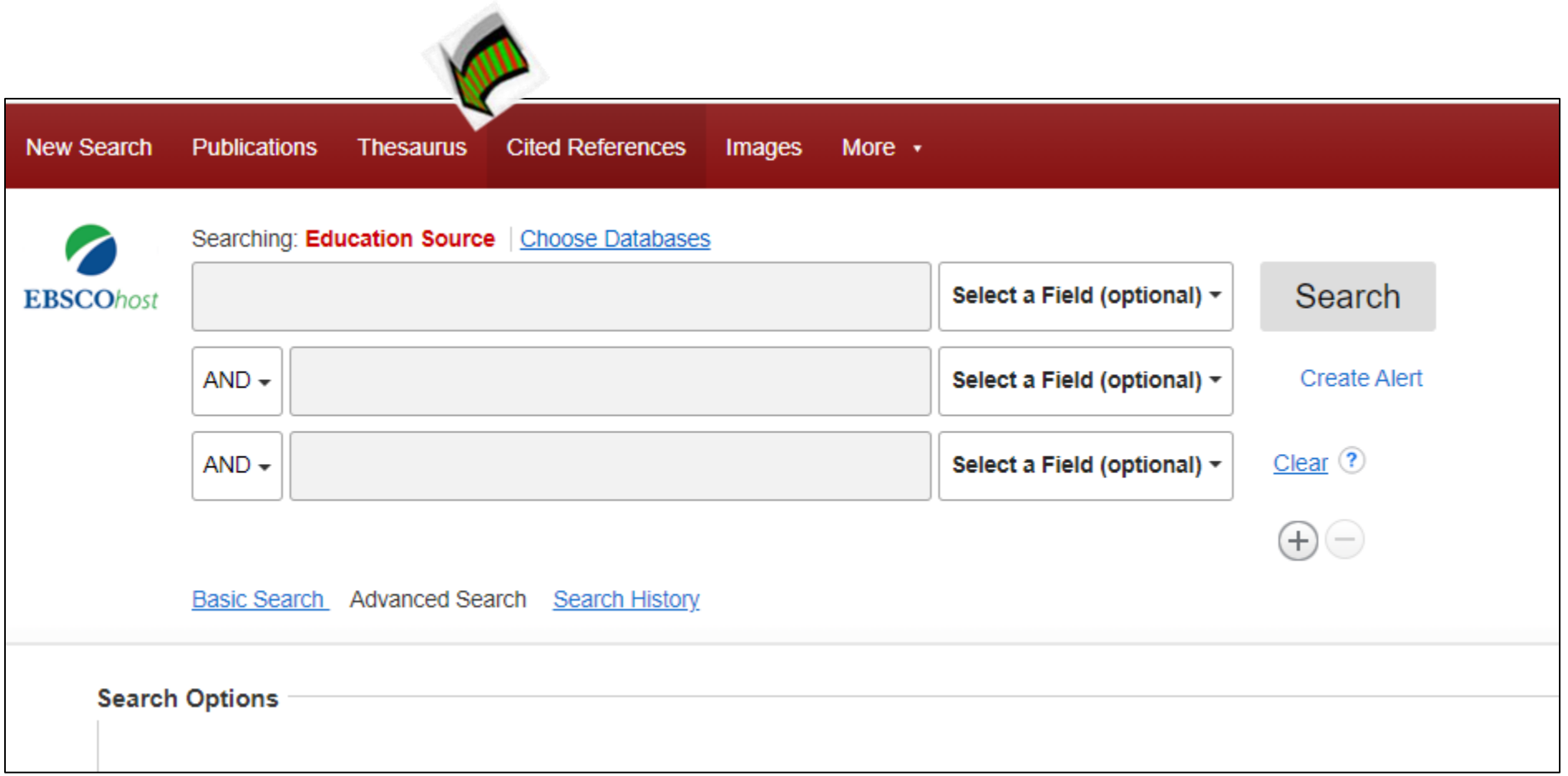
PsycINFO database



ProQuest Sociology database



Education Source database

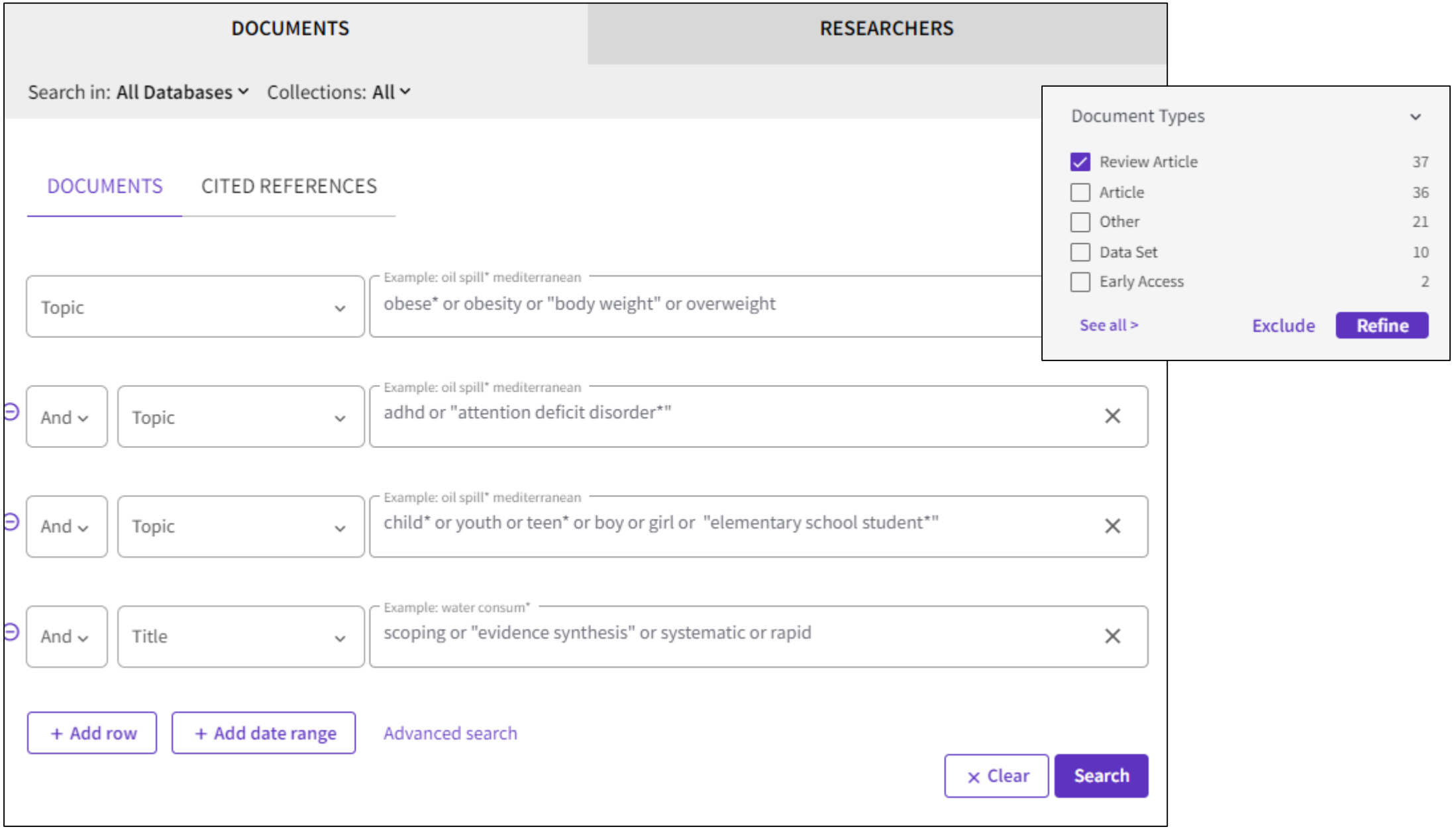


How do you know when you've consulted all important citations, books, theses, dissertations…?


Define your research question or topic
Identify key concepts & keywords
Build your search
Run your search
Evaluate results
Refine your search as necessary

How to be a better researcher!

1. Look for an evidence synthesis resources on your research question or topic.


DOCUMENTS
RESEARCHERS
Search in: All Databases
Collections: All
DOCUMENTS
CITED REFERENCES
Topic
Example: oil spill* mediterranean
obese* or obesity or "body weight" or overweight
And
Topic
Example: oil spill* mediterranean
adhd or "attention deficit disorder*"
And
Topic
Example: oil spill* mediterranean
child* or youth or teen* or boy or girl or "elementary school student*"
And
Title
Example: water consum*
scoping or "evidence synthesis" or systematic or rapid
+ Add row
+ Add date range
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× Clear
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Article 36
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Data Set 10
Early Access 2
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Refine

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1 Scoping Review: Transdiagnostic Measurement of Impulsivity Domains in Youth Using the UPPS Impulsive Behavior Scales

Sonmez, AI; Garcia, JQ; (...); Lewis, CP

Aug 2024 | JOURNAL OF THE AMERICAN ACADEMY OF CHILD AND ADOLESCENT PSYCHIATRY 63 (8) , pp.789-812

Objective: Impulsivity contributes to many clinically relevant behaviors impacting youth. A scoping review was conducted to characterize existing research using the Urgency, Premeditation (lack of), Perseverance (lack of), Sensation Seeking (UPPS) Impulsive Behavior Scales in youth populations, to review the psychometric and validity data of UPPS, and to summarize fi ndings related to sex/gende ... Show more

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2 Attention-deficit/hyperactivity disorder in adolescent and adult candidates for metabolic and bariatric surgery: A systematic review and meta-analysis

Caci, H; Chierici, A and Iannelli, A

Jul 2024 (Early Access) | OBESITY REVIEWS

AimsAttention-deficit with hyperactivity disorder (ADHD) is associated with obesity and impacts the outcome of metabolic and bariatric surgery (MBS). This study aimed at calculating the prevalence in candidates for MBS, which is yet unclear.MethodsWe conducted a systematic review and meta-analysis, searching three databases from their respective inception to December 2022 for studies reporting ... Show more

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3 Excessive body weight in developmental coordination disorder: A systematic review and meta-analysis

Gambra, L; Cortese, S; (...); Magallón, S

Sep 2024 | NEUROSCIENCE AND BIOBEHAVIORAL REVIEWS 164

Evidence on the link between developmental coordination disorder (DCD) and obesity and overweight is mixed. Based on a pre-registered protocol (PROSPERO: CRD42023429432), we conducted the first systematic review/ meta-analysis on the association between DCD and excessive weight. Web of Science, PubMed and an institutional database aggregator were searched until the 18th of December 2023. We ass ... Show more

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2. Break down your research question into separate search concepts.

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Lipopolysaccharide-Induced Bone Loss in Rodent Models: A Systematic Review and Meta-Analysis

By
Are you this author?

Bott, KN (Bott, Kirsten N.) [1] , [2] , [9] ; Feldman, E (Feldman, Evelyn) [3] ; de Souza, RJ (de Souza, Russell J.) [4] , [5] ; Comelli, EM (Comelli, Elena M.) [1] , [6] , [7] ; Klentrou, P (Klentrou, Panagiota) [1] , [2] ; Peters, SJ (Peters, Sandra J.) [1] , [2] ; Ward, WE (Ward, Wendy E.) [1] , [2] , [6] , [8]

Source

JOURNAL OF BONE AND MINERAL RESEARCH

Volume: 38 Issue: 1 Page: 198-213

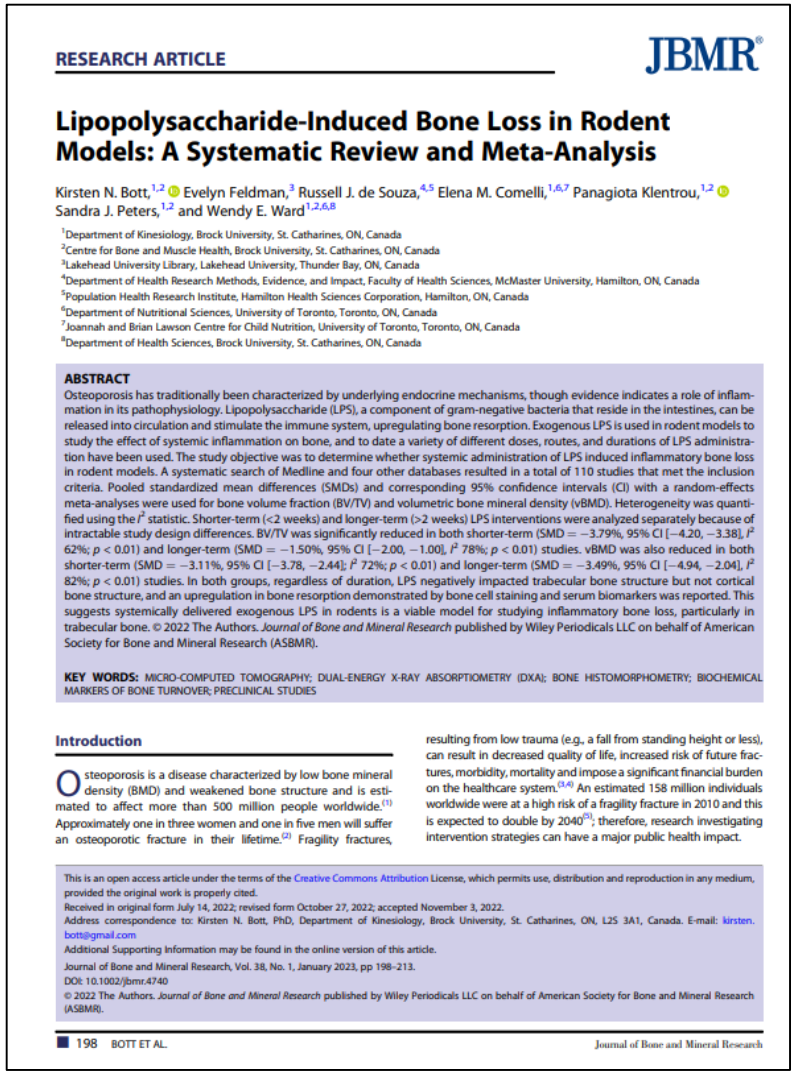
DOI: 10.1002/jbmr.4740

Keywords

Author Keywords: MICRO-COMPUTED TOMOGRAPHY; DUAL-ENERGY X-RAY ABSORPTIOMETRY (DXA); BONE HISTOMORPHOMETRY; BIOCHEMICAL MARKERS OF BONE TURNOVER; PRECLINICAL STUDIES

Keywords Plus: RANKL-INDUCED OSTEOCLASTOGENESIS; NF-KAPPA-B; ACTIVATED T-CELLS; INDUCED INFLAMMATORY OSTEOCLASTOGENESIS; LIGAND-INDUCED OSTEOCLASTOGENESIS; INHIBITS RECEPTOR ACTIVATOR; COLONY-STIMULATING FACTOR; IN-VITRO; NUCLEAR-FACTOR; SIGNALING PATHWAY

MeSH Terms	*From MEDLINE®*
Chemical	*From MEDLINE®*
Major Concepts	*From BIOSIS Citation Index*
Concept Code	*From BIOSIS Citation Index*
Taxonomic Data	*From BIOSIS Citation Index*
Disease Data	*From BIOSIS Citation Index*
Miscellaneous Descriptors	*From BIOSIS Citation Index*



RESEARCH ARTICLE

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Lipopolysaccharide-Induced Bone Loss in Rodent Models: A Systematic Review and Meta-Analysis

Kirsten N. Bott,[1,2] Evelyn Feldman,[3] Russell J. de Souza,[4,5] Elena M. Comelli,[1,6,7] Panagiota Klentrou,[1,2] Sandra J. Peters,[1,2] and Wendy E. Ward[1,2,6,8]

[1]Department of Kinesiology, Brock University, St. Catharines, ON, Canada
[2]Centre for Bone and Muscle Health, Brock University, St. Catharines, ON, Canada
[3]Lakehead University Library, Lakehead University, Thunder Bay, ON, Canada
[4]Department of Health Research Methods, Evidence, and Impact, Faculty of Health Sciences, McMaster University, Hamilton, ON, Canada
[5]Population Health Research Institute, Hamilton Health Sciences Corporation, Hamilton, ON, Canada
[6]Department of Nutritional Sciences, University of Toronto, Toronto, ON, Canada
[7]Joannah and Brian Lawson Centre for Child Nutrition, University of Toronto, Toronto, ON, Canada
[8]Department of Health Sciences, Brock University, St. Catharines, ON, Canada

ABSTRACT

Osteoporosis has traditionally been characterized by underlying endocrine mechanisms, though evidence indicates a role of inflammation in its pathophysiology. Lipopolysaccharide (LPS), a component of gram-negative bacteria that reside in the intestines, can be released into circulation and stimulate the immune system, upregulating bone resorption. Exogenous LPS is used in rodent models to study the effect of systemic inflammation on bone, and to date a variety of different doses, routes, and durations of LPS administration have been used. The study objective was to determine whether systemic administration of LPS induced inflammatory bone loss in rodent models. A systematic search of Medline and four other databases resulted in a total of 110 studies that met the inclusion criteria. Pooled standardized mean differences (SMDs) and corresponding 95% confidence intervals (CI) with a random-effects meta-analyses were used for bone volume fraction (BV/TV) and volumetric bone mineral density (vBMD). Heterogeneity was quantified using the I^2 statistic. Shorter-term (<2 weeks) and longer-term (>2 weeks) LPS interventions were analyzed separately because of intractable study design differences. BV/TV was significantly reduced in both shorter-term (SMD = −3.79%, 95% CI [−4.20, −3.38], I^2 62%; $p < 0.01$) and longer-term (SMD = −1.50%, 95% CI [−2.00, −1.00], I^2 78%; $p < 0.01$) studies. vBMD was also reduced in both shorter-term (SMD = −3.11%, 95% CI [−3.78, −2.44]; I^2 72%; $p < 0.01$) and longer-term (SMD = −3.49%, 95% CI [−4.94, −2.04], I^2 82%; $p < 0.01$) studies. In both groups, regardless of duration, LPS negatively impacted trabecular bone structure but not cortical bone structure, and an upregulation in bone resorption demonstrated by bone cell staining and serum biomarkers was reported. This suggests systemically delivered exogenous LPS in rodents is a viable model for studying inflammatory bone loss, particularly in trabecular bone. © 2022 The Authors. *Journal of Bone and Mineral Research* published by Wiley Periodicals LLC on behalf of American Society for Bone and Mineral Research (ASBMR).

KEY WORDS: MICRO-COMPUTED TOMOGRAPHY; DUAL-ENERGY X-RAY ABSORPTIOMETRY (DXA); BONE HISTOMORPHOMETRY; BIOCHEMICAL MARKERS OF BONE TURNOVER; PRECLINICAL STUDIES

Introduction

Osteoporosis is a disease characterized by low bone mineral density (BMD) and weakened bone structure and is estimated to affect more than 500 million people worldwide.[1] Approximately one in three women and one in five men will suffer an osteoporotic fracture in their lifetime.[2] Fragility fractures, resulting from low trauma (e.g., a fall from standing height or less), can result in decreased quality of life, increased risk of future fractures, morbidity, mortality and impose a significant financial burden on the healthcare system.[3,4] An estimated 158 million individuals worldwide were at a high risk of a fragility fracture in 2010 and this is expected to double by 2040[5]; therefore, research investigating intervention strategies can have a major public health impact.

Received in original form July 14, 2022; revised form October 27, 2022; accepted November 3, 2022.

Address correspondence to: Kirsten N. Bott, PhD, Department of Kinesiology, Brock University, St. Catharines, ON, L2S 3A1, Canada. E-mail: kirsten.bott@gmail.com

Additional Supporting Information may be found in the online version of this article.

Journal of Bone and Mineral Research, Vol. 38, No. 1, January 2023, pp 198–213.

DOI: 10.1002/jbmr.4740

Bott, K. N., Feldman, E., De Souza, R. J., Comelli, E. M., Klentrou, P., Peters, S. J., & Ward, W. E. (2020). Lipopolysaccharide-induced bone loss in rodent models: A systematic review and meta-analysis. *Journal of Bone and Mineral Research, 38*(1), 198–213. https://doi.org/10.1002/jbmr.4740

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4. Document the database you searched, search logic, date, capture citations….

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5. Search each database separately.

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2. Break down your research question into separate search concepts.
3. Browse for interesting core articles, look for keywords, thesaurical/subject terms…
4. Document the database you searched, search logic, date, capture citations….
5. Search each database separately.

Ask for assistance!

Articles - MEDLINE

MEDLINE – bookmark MeSH headings, try alternate MEDLINE database search engines at Brock Library. Be PubMed sufficient!

MeSH Headings (NIH)
https://www.ncbi.nlm.nih.gov/mesh

MEDLINE via Web of Science Complete
https://researchguides.library.brocku.ca/database-medline-via-web-of-knowledge

MEDLINE via PubMed (NIH)
https://researchguides.library.brocku.ca/database-medline-via-pubmed

MEDLINE via OVID
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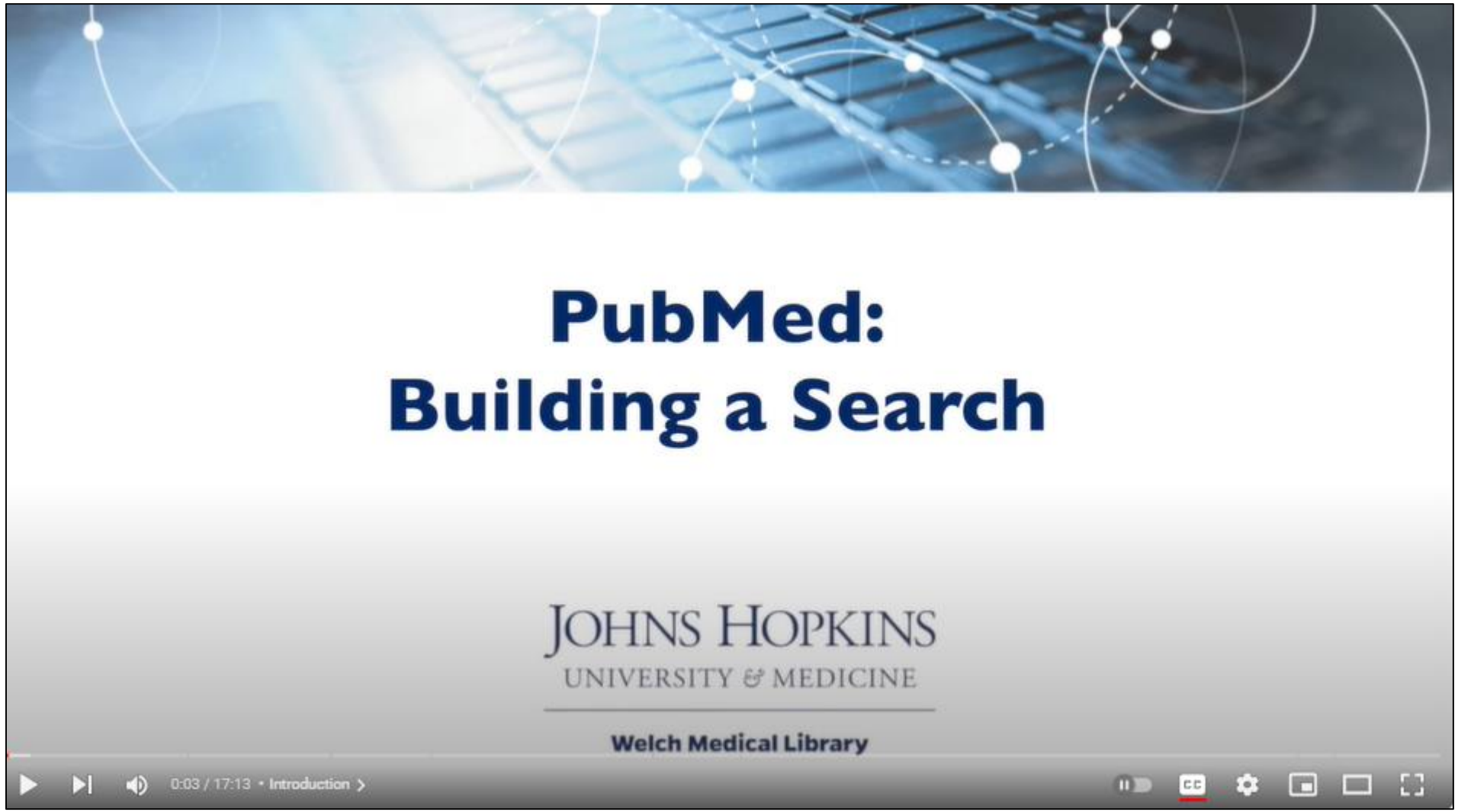
https://www.youtube.com/watch?v=xGYFDrORpzA



Library Resource Session #2 Agenda

- Strategies to remain current
- How to be a better researcher
- How to be a better writer
- Brock Library key contacts
- Where, how and when to get help!
- Questions?

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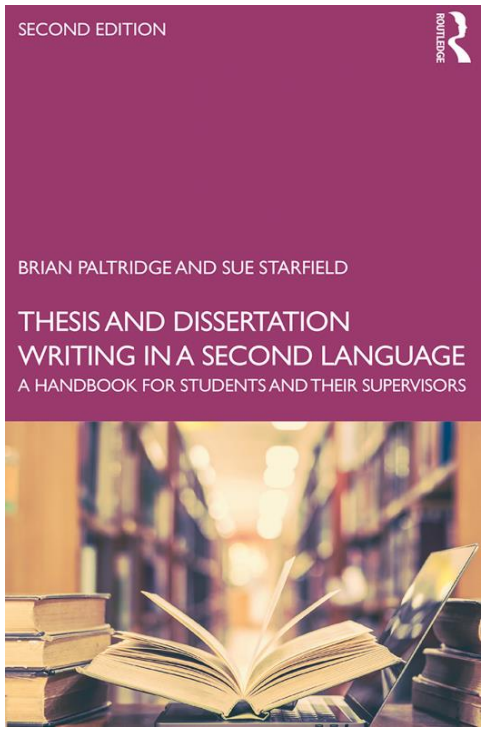
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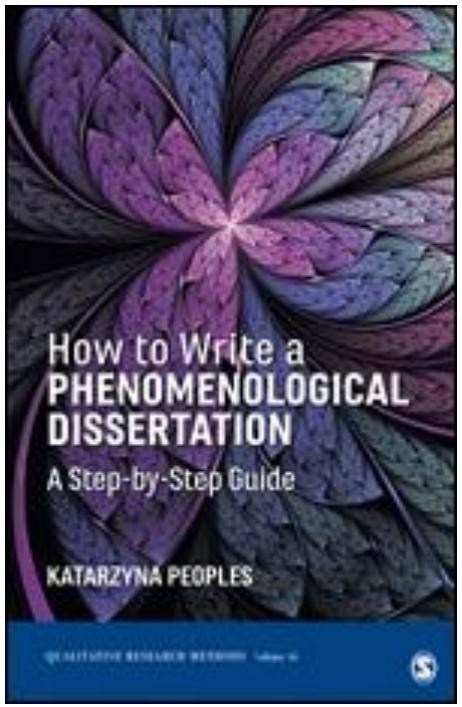
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PHENOMENOLOGICAL
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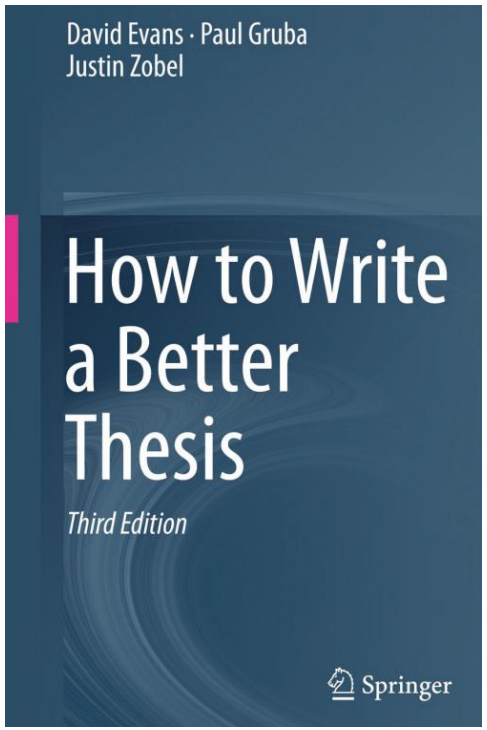
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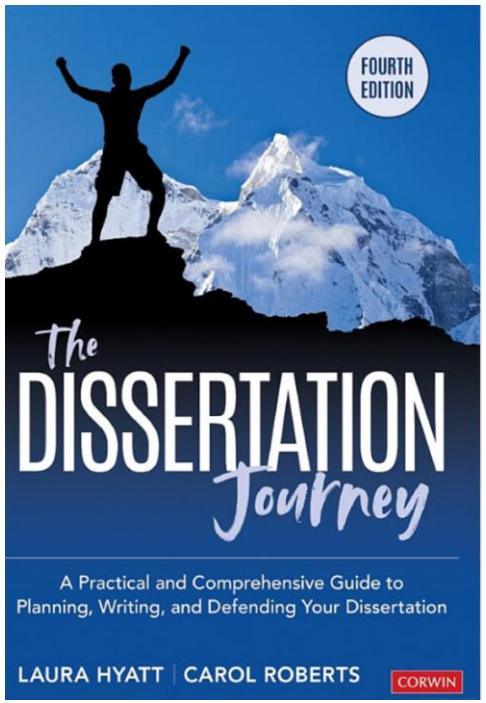
Justin Zobel
How to Write a Better Thesis
Third Edition
Springer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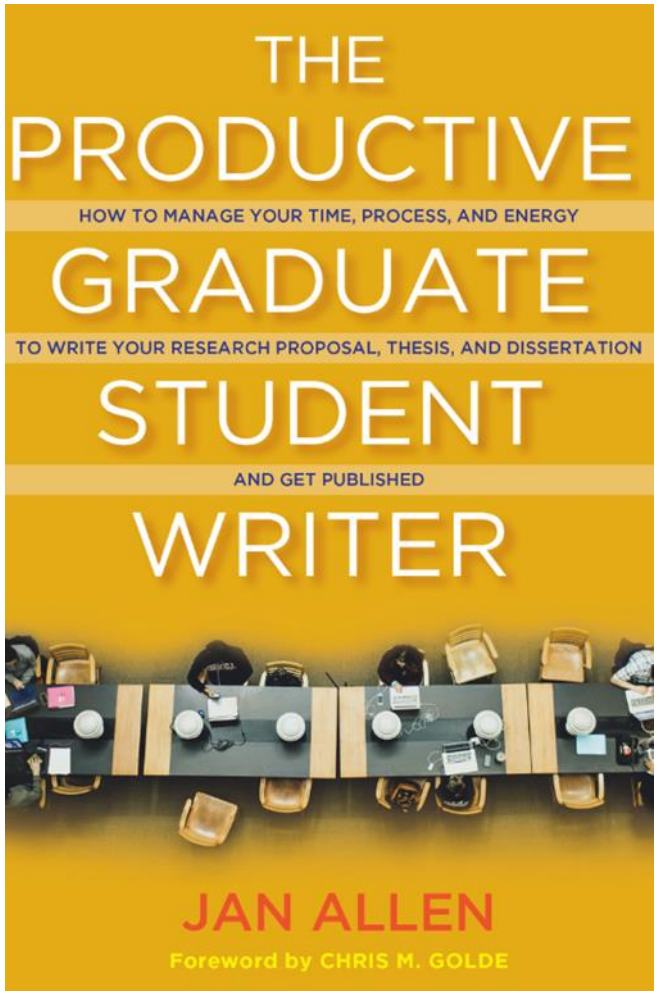


32

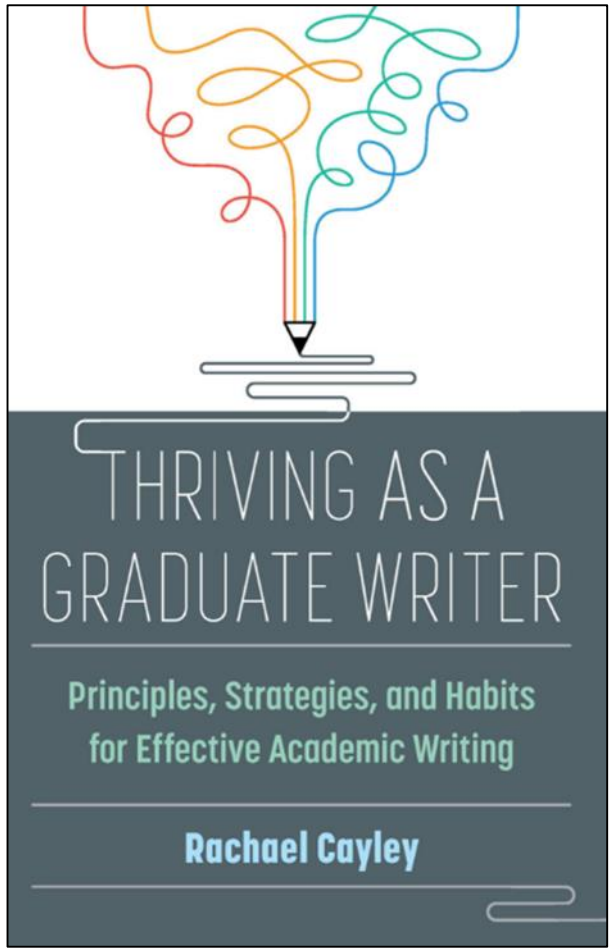
Writing a Thesis

You must write a thesis that you are able to write. This rule may seem trivial, but it is true, and many a thesis has been dramatically aborted because this rule was broken.

—Umberto Eco

Graduate students pursue a master's research degree, usually a master of science or master of art, because they want a career doing research or want to pursue a doctoral degree, which is also a research degree. Other, nonresearch master's degrees are referred to as a professional master's degree or terminal master's degree. They are designed to prepare graduate students for careers other than research, and although they may include a capstone experience such as an internship or a project with a final paper, the degree requirements don't include a thesis. Most research master's degrees require two years, occasionally more, of course work and research, and they culminate with the presentation and defense (an oral exam) of the research project.

Your thesis research may be historical, theoretical, or experimental. Or you may be doing an evaluation study of some clinical practice or educational application. The following description of thesis research is not meant to



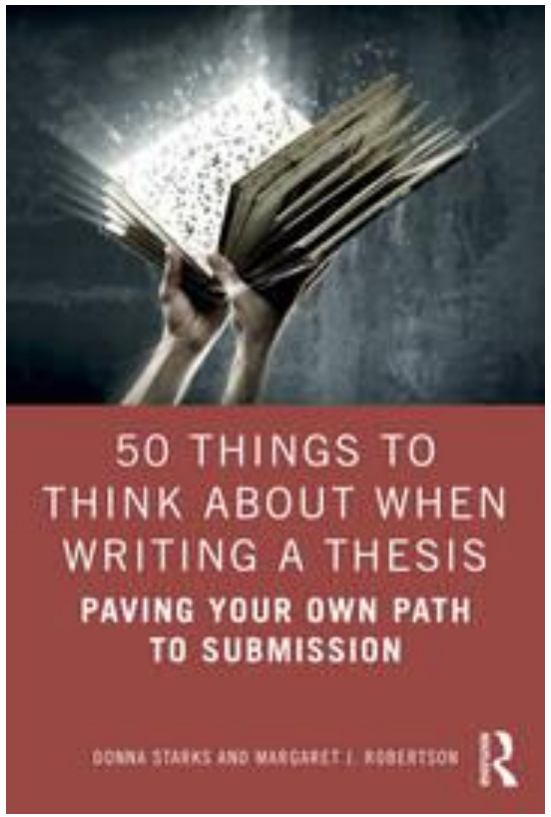
Writing in Graduate School: Why It Feels So Hard

"I feel like I should already know how to write."

"I feel like my writing difficulties mean I don't belong here."

"I feel like I'm alone in my writing struggles."

"I feel like academic writing can't be done well."



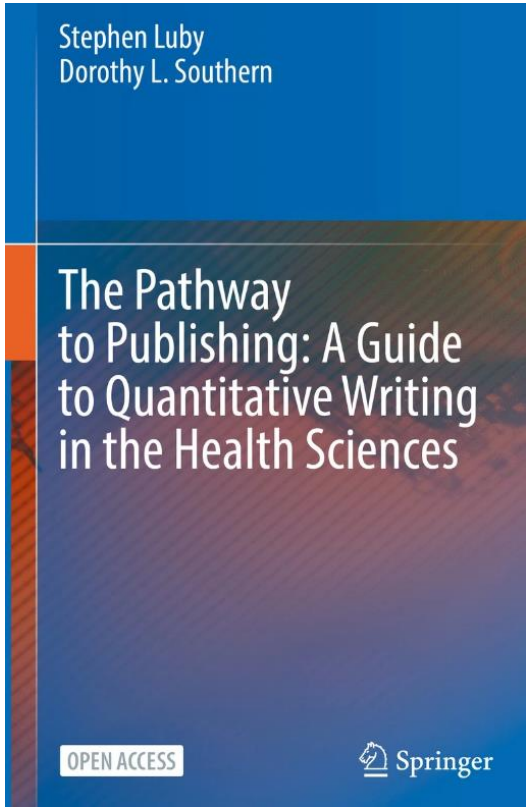
36. Authorship: when to use a personal pronoun, 'I/we'

Writing is, at its very core, a form of self-expression,[11] an expression of your thinking. Yet teachers of composition often recommend that if you use a first-person pronoun in your writing, you do so sparingly. This is partly because a key part of understanding writer identity is knowing how explicit to be about inputting aspects of yourself into your writing. When you write 'Starks and Macdonald (2022) provide a *clear* definition of a *key* concept', the words 'clear' and 'key' present the authors' interpretation that the description is 'clear' and that the concept is, in fact, 'key'. To add expressions such as 'I think' or 'we think'[12] when elaborating on the above text would be redundant.

In some cases, whether you use 'I' (or 'we' if writing a thesis by/with one or more co-authored publications) depends on the surrounding text. Expressions such as 'I disagree' can be redundant, but it might not always be. If you want to truly dispute a fact, 'I disagree' might come in handy as it has the potential to yell out to your audience that this is your thinking and in what follows, you will write an argument on a particular topic that you have strong opinions about. The use of 'I' with a strong opinion verb conveys information on how you wish the text to be read.

In other instances, a first-person pronoun can be used to give you control over your argument. Think about differences between 'The three issues are' and 'My three issues are…'. The use of the personal pronoun 'my' shows the reader that you are making selective choices. In other words, it's not every issue under consideration here; it's three points of *my* choosing. It's important to remember, however, that if you use 'my' (or 'our') to restrict your data in this way, you need to state why you are doing so, perhaps in a footnote. See Pointer 29 on the use of footnotes.

The examples discussed thus far are cases where you use one instance of the personal pronoun to make a point. In other circumstances in your thesis, you may use the personal pronoun 'I' throughout the text to achieve an entirely different range of outcomes. The personal pronoun 'I' scattered throughout a section of text can have the effect of making your text more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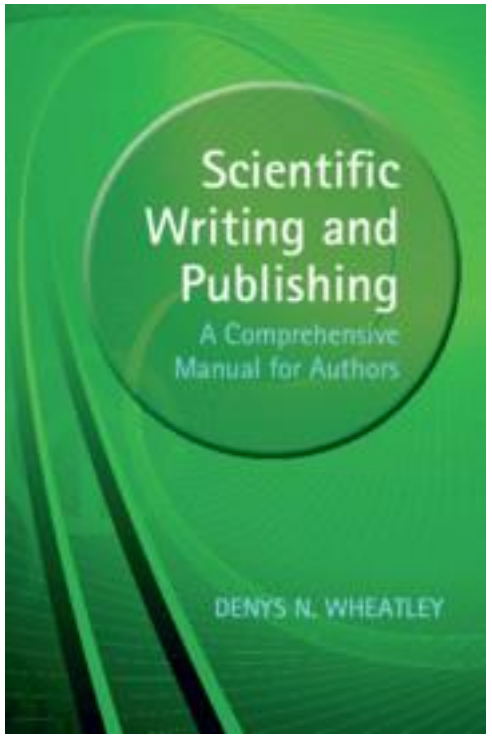
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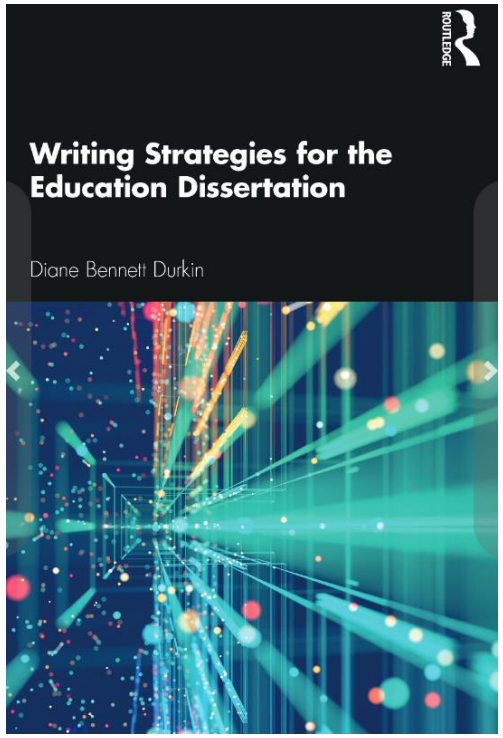
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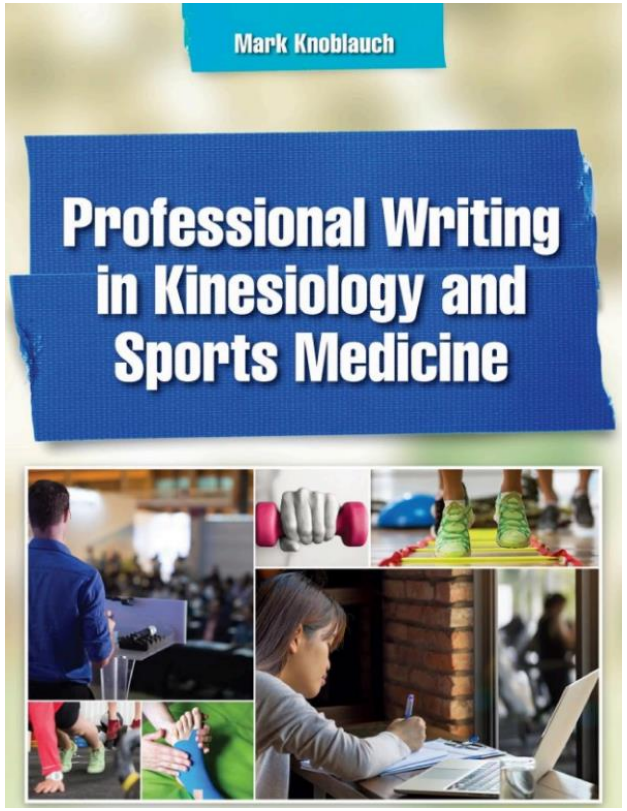
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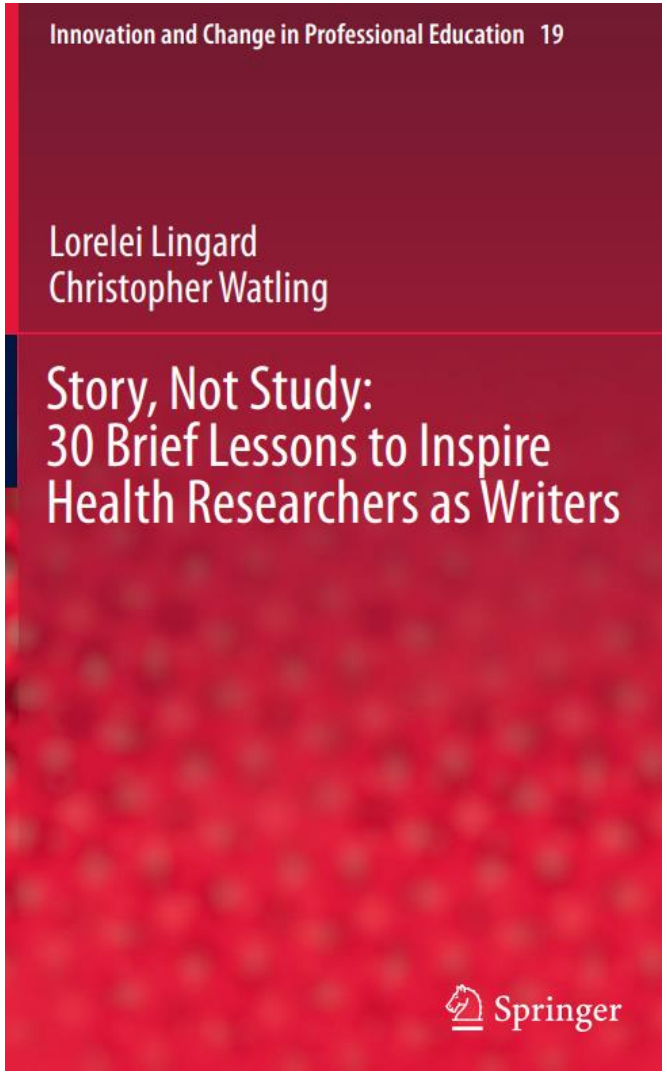
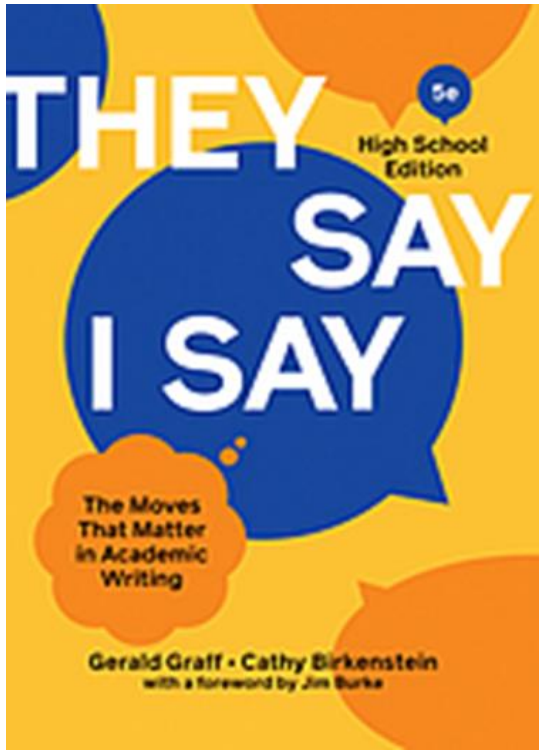


See One, Do One, Teach One

1. If your literature review feels without stance, ask someone else to read it and flag when they see you using one of the three primary stances in Fig. 4.1.
2. Circle all the reporting verbs in your literature. What are your default verbs? Using Tables 4.1, 4.2 and 4.3 as a resource, revise your verbs to express your own position on the knowledge and to represent relations among scholars in the field.
3. Identify a key source you plan to cite in your literature review, and practice taking a stance. Experiment with expressing agreement and affiliation or disagreement and distance. Notice how stance shifts as you modify your verb choices.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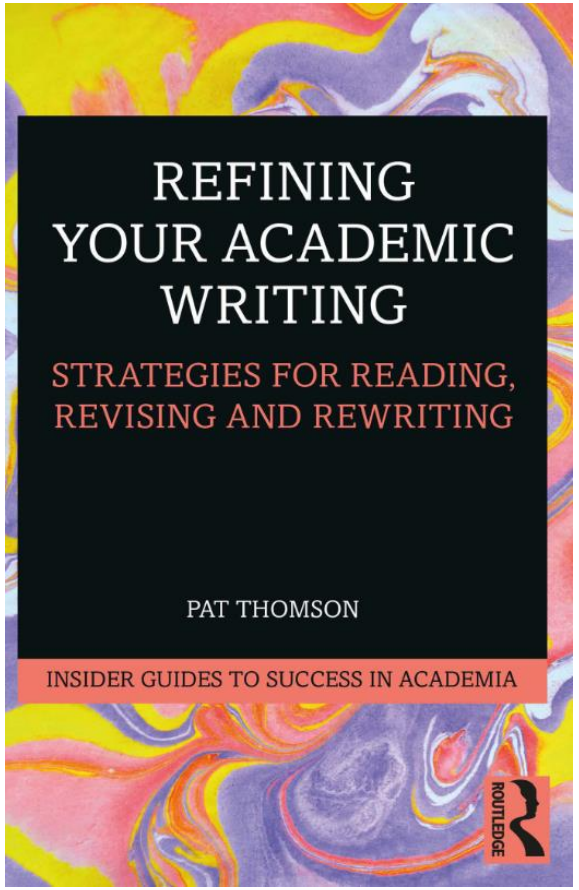
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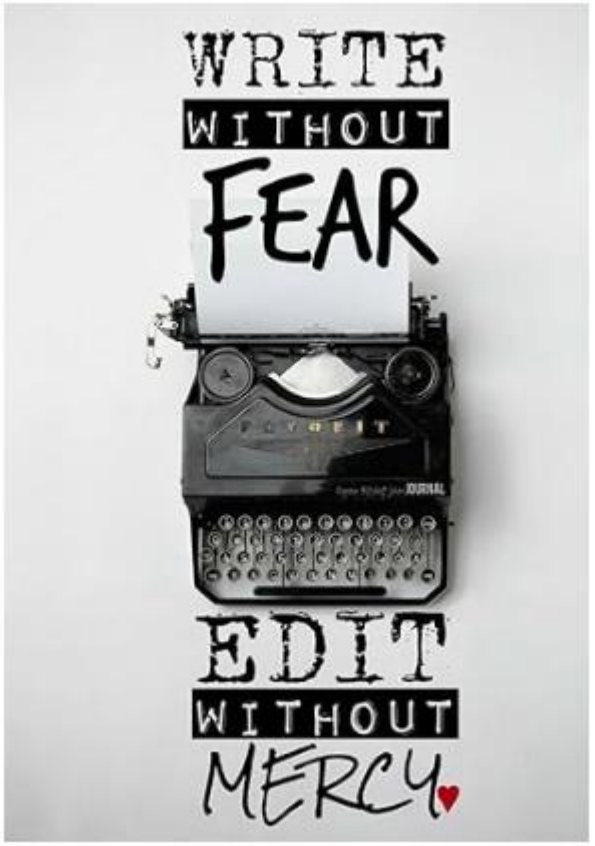
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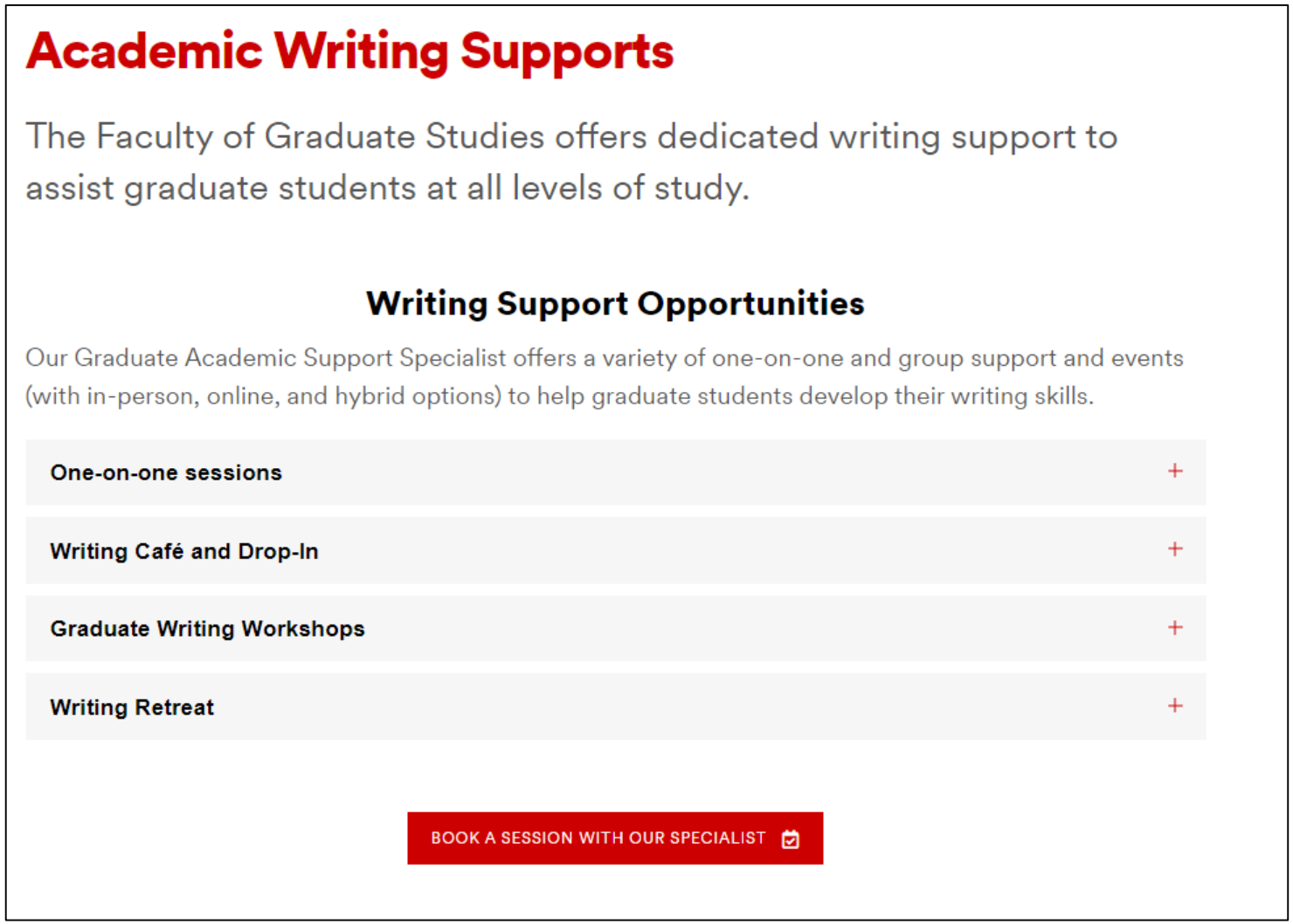

Library Resource Session #2 Agenda

- Strategies to remain current
- How to be a better researcher
- How to be a better writer
- Brock Library key contacts
- Where, how and when to get help!
- Questions?

Key Library Contacts:

Evidence Syntheses research
https://brocku.ca/library/systematic-reviews/

Map, Data & GIS support
Research Data Management, Nicole
https://brocku.ca/library/mdgl/ email nstradiotto@brocku.ca

Getting stuff!
libhelp@brocku.ca

Data visualization, Daniel Brett, Digital Scholarship Lab
https://brocku.ca/library/dsl/ email dsl@brocku.ca

Research Lifecyle, Denise Smith
https://brocku.ca/library/publishing-support/ email dsmith@brocku.ca

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Where can I get help?

Brock Library Help
https://brocku.ca/library/research-support/

Brock Library Research Guides
https://researchguides.library.brocku.ca/

Email the Library
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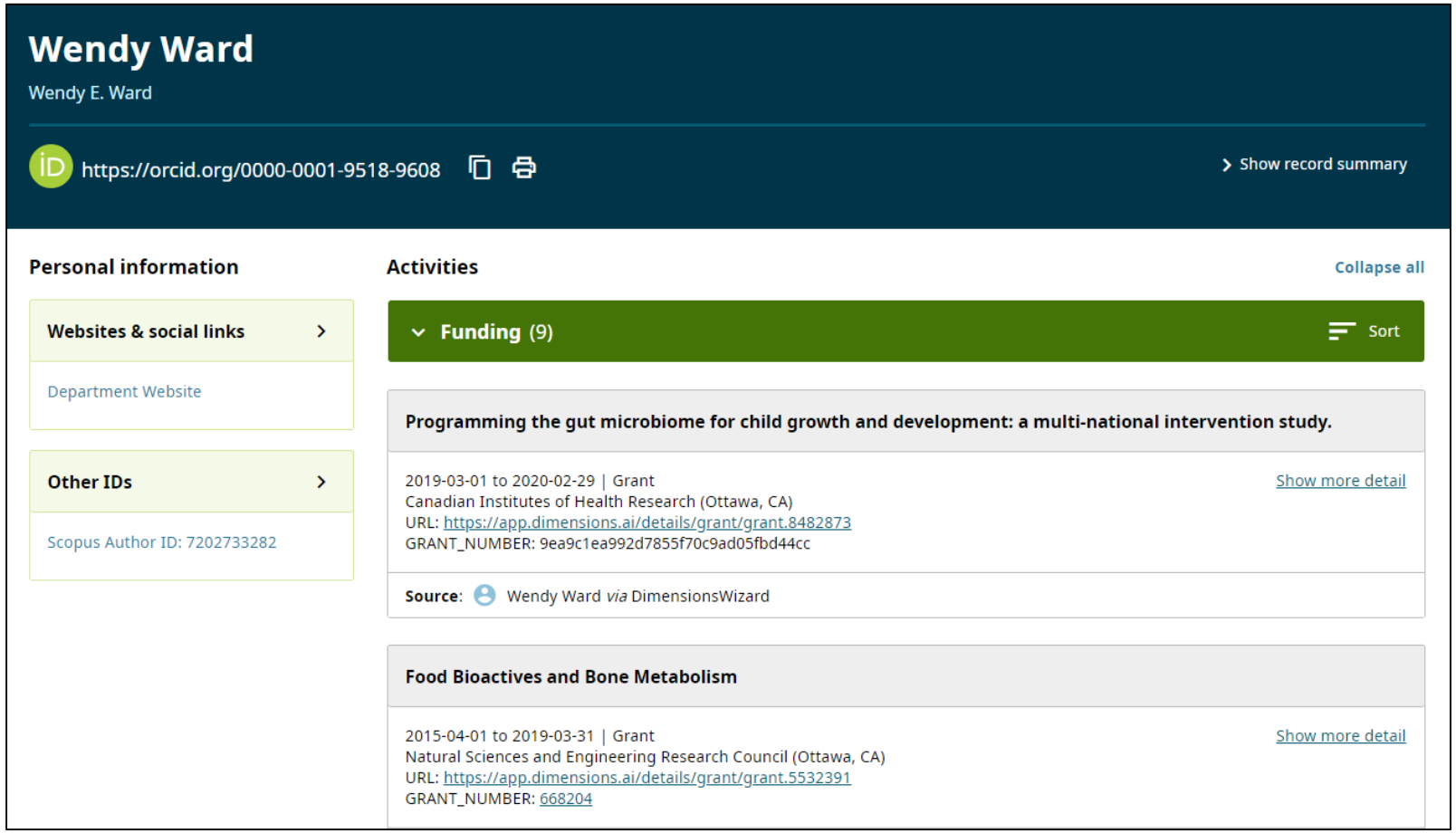

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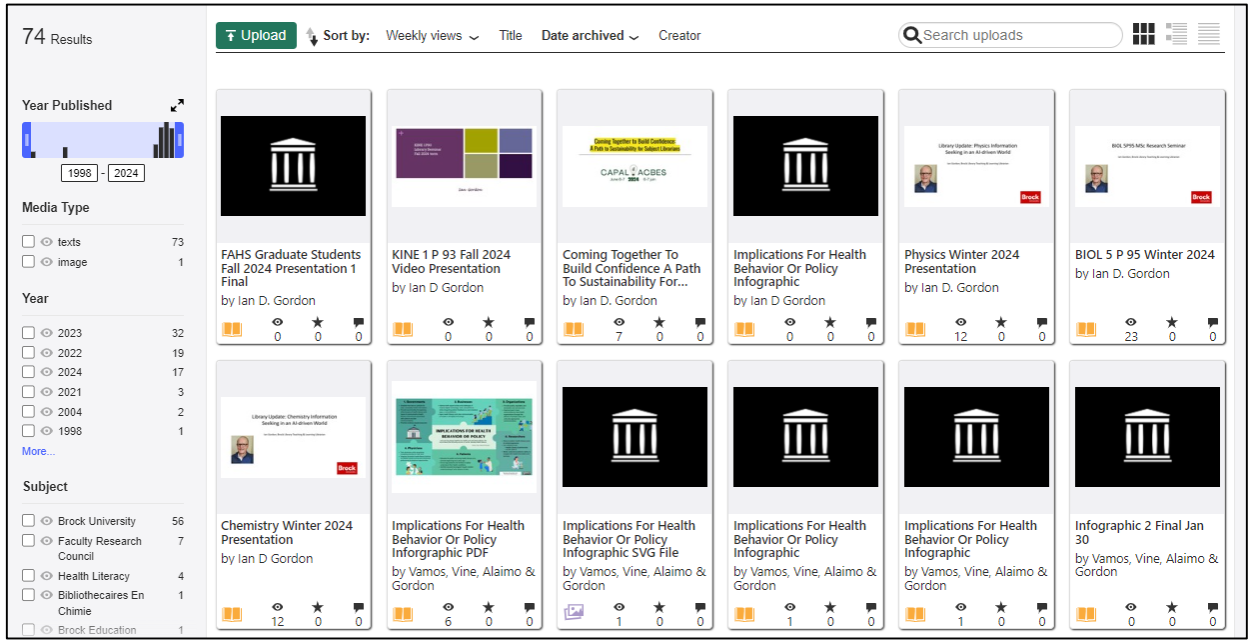

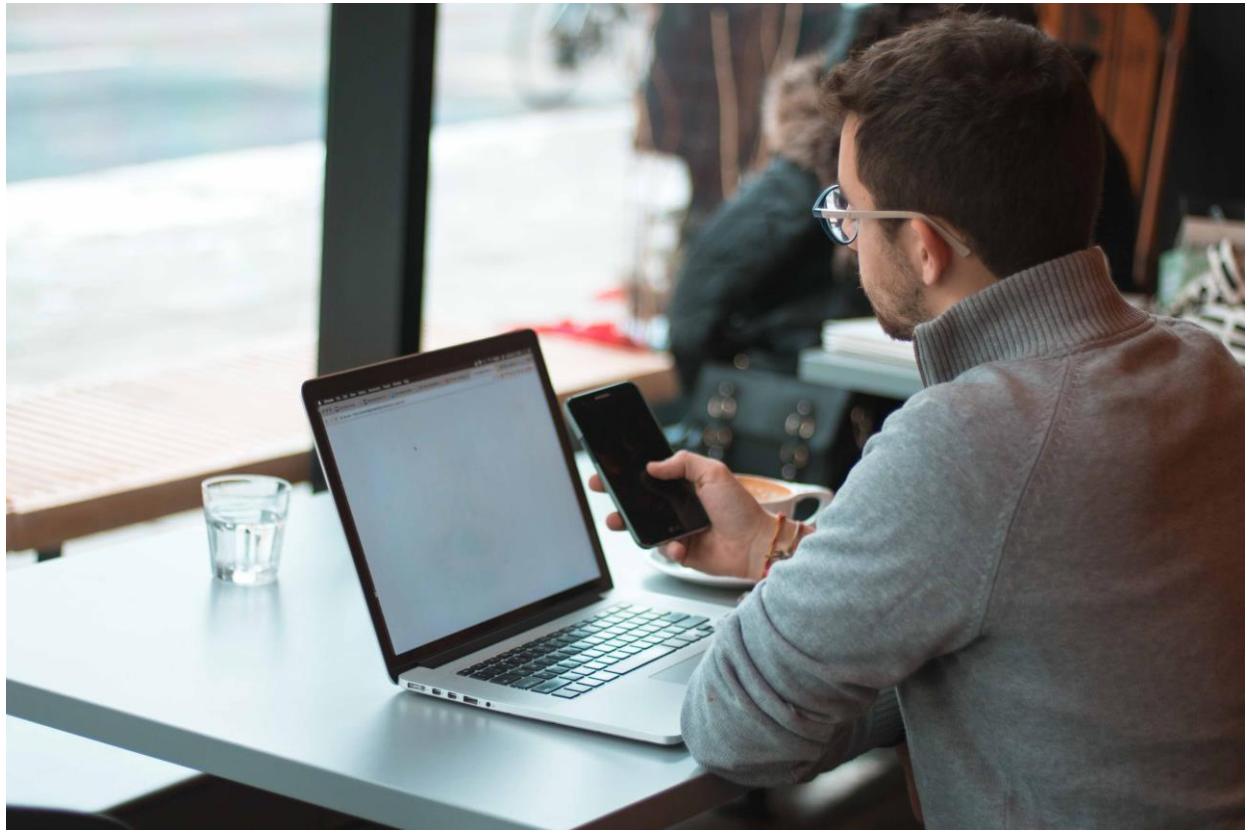

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